UMB. 1-18

University of Massachusetts at Boston

Bulletin

Division of
Continuing Education

Course Descriptions

Summer School 1 9 8 2

Issued Spring, 1982

Descriptions of all courses scheduled to be taught at UMass/Boston in summer, 1982, appear in this publication. Courses scheduled for the Harbor Campus or the Downtown Center are described first, then courses scheduled for the Huntington Avenue Campus. Certain courses to be taught at more than one campus are described only in the Harbor/Downtown section of this publication. A list of these courses follows the table of contents. Certain graduate-level courses will be taught at the Harbor Campus. Descriptions of these courses appear under the appropriate headings. Complete schedules, as well as descriptions of registration procedures, financial aid procedures, academic regulations, University services, and special summer programs, can be found in the 1982 Summer School Bulletin. To obtain a copy of the Bulletin, visit the registration office at either the Harbor Campus or the Huntington Avenue Campus, or call 734-7111

4/82

Spring, 1982
Volume 2, Number 3

The University of Massachusetts at Boston Bulletin is published quarterly and distributed free of charge by the University of Massachusetts at Boston, Harbor Campus, Boston, Massachusetts 02125. Second-Class Postage Paid at Boston, MA 02109. Send address changes to: The University of Massachusetts at Boston, Harbor Campus, Boston, Massachusetts 02125.

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Publications Office

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Biol C112 General Biology II
Chem C103 Chemical Principles I
Chem C104 Chemical Principles II
Chem 253 Organic Chemistry I
Chem 254 Organic Chemistry II
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Econ 102 Introductory Economics II
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French C101 Elementary French I
French C102 Elementary French II
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Hist C112 Modern Western Civilization
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Span C102 Elementary Spanish II

C.M.P.S. Courses
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AF 211 Managerial Accounting
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The College of Arts and Sciences

American Civilization

AmCiv 301N A Literary History of Americans and the Sea
A literary survey of American maritime history from colonial times to the present day. The course will examine the literature of the sea in its historical setting, including the buccaneer era, the whaling period, the era of the clipper ships, coastal and transatlantic trade, and the maritime activities of World War II. Readings will be drawn from the works of Melville, Dana, Conrad and others.

This course will be held at the Coffin School on Nantucket Island.
3 Credits

Anthropology

Anth C102 Introduction to Archaeology and Biological Anthropology
The study of the biological and cultural heritage of humans. Topics include: primate and human evolution, human adaptation and variation, and the evolution of prehistoric cultures.
Core Area: Natural Sciences.
4 Credits

Anth C103 Introduction to Cultural Anthropology
The study of recent and contemporary human societies in cross-cultural perspective. Ethnographic accounts are used to analyze and compare variations in cultural adaptations and processes of cultural change.
Note: Anth C102 is *not* a prerequisite to Anth C103.
Core Area: Social and Behavioral Sciences.
4 Credits

Anth C211 Human Origins
An introduction to the study of man's biological origins with emphasis on the fossil record, primate analogues of human behavior, and the variety and diversity of modern man, including the adaptive significance of this variation.
Prerequisite: Anth C102 or permission of instructor.
Core Area: Natural Sciences.
4 Credits

Anth 485 Field Seminar in Archaeology (for Undergraduates)
This course will teach the basic skills of archaeological survey, excavation, and laboratory analysis through field work at an historical site in a local urban community. Emphasis will be placed on the ways in which field and laboratory methods relate to research design and to questions about cultural processes in the past.
Prerequisites: Anth 241 Archaeological Method and Theory or equivalent and permission of instructor.
6 Credits
Lab Fee: $10.00

Anth 685 Summer Field School in Historical Archaeology (for Graduate Students)
This course will teach the basic skills of archaeological survey, excavation, and laboratory analysis through field work at an historical site in a local urban community. Emphasis will be placed on the ways in which field and laboratory methods relate to research design and to questions about cultural processes in the past. Students will be taught supervisory skills and will participate in the formulation of research design and strategy.
Prerequisites: Anth 625 and Anth 665 (or equivalent) and permission of instructor.
6 Credits
Lab Fee: $10.00

Art

Art C100 Language of Art
The course teaches students to begin to understand the processes of artistic creation. It enables the student to grasp the expressive content of works of art in a wide variety of media and to analyze how the artist creates his or her effect. It is not an historical survey. Through lectures, discussions, field trips and museum visits, the student studies paintings, sculptures, and buildings with examples chosen as often as possible from the Boston area. The course addresses such concepts as rhythm, pacing, elements of stability versus change and the possibilities of differing interpretations of subject matter through formal variations. It offers a solid introduction to the arts by developing the student's ability to see and analyze forms as the result of aesthetic and interpretive decisions. Instruction in writing and critical thinking is provided.
Core Area: The Arts.
4 Credits

Art 175 Visual Fundamentals
Development of visual awareness through projects, lectures, discussions which use the camera and other media as a means of establishing new and creative relationships with a visual environment.
4 Credits

Art C199 Visual Thinking
This course serves as an introduction to the visual arts by emphasizing how one thinks visually. It provides training and exploration in the organization of sensory experiences—experiences which are found already ordered in forms of art and design or which are encountered haphazardly in the world around one. Writing assignments will complement studio exercises, lectures, and selected readings dealing with issues such as space, light, color, and composition.
Core Area: The Arts.
4 Credits
Lab Fee: $25.00

Art 200A Urban "Social Landscape" Photography
A lecture/discussion course dealing with the city as an inspiration for the artistic, sociological, and anthropological development of the photographer. The course will begin with an historical overview of urban social documentary photography, and will then concentrate on contemporary photographers working in the past thirty years in both black and white and color. The theme of "exploring society photographically" by using visual means to understand the workings of the social world will be the primary focus of the course. Collateral readings will address the nature of documentary photography and the relationship between photography and anthropology. Class field trips to galleries and guest lectures by local photographers working in documentary photography are important components of this course.
2 Credits

Art 200B Urban Film
This course will follow a dual approach to the study of the city in film. The course will examine major themes that have been central to the presentation of the urban experience in the twentieth century, making use of both documentary and fiction film. The course will explore the contributions of documentary films both as records and as expository statements concerning the meaning and quality of urban life. The fiction film will be considered in terms of the artistic and thematic function of the urban setting as it relates to character and action and in terms of the stylistic shift from the tradition of studio construction in the late silent and early sound film to the contemporary tradition of location shooting as illustrated in such films as *Metropolis*, *Underworld*, *Street Scene*, *Asphalt Jungle*, and *Mean Streets*.
2 Credits
Lab Fee: $20.00

Art 200C Urban Architecture in Boston, 1790–1982
A review of architecture, urban development, and neighborhood change in metropolitan Boston, from the end of the eighteenth century to the present. The course will be concerned with the visual issues of urban design and townscape, as well as the social context of architectural projects as treated by the related disciplines of urban history, urban geography, and literature. At least one class session per week will be a field trip. Course projects will involve research in various libraries, historical societies, and agencies holding material useful for the documentation of local history and the built environment in the greater Boston area.
2 Credits

Art 200D Boston: The First Century, 1630–1730
A review of the earliest architecture and town planning in eastern Massachusetts. The course will draw upon the activities associated with the Museum of Fine Arts exhibition, "New England: The Seventeenth Century" (May 5–August 22). One class session per week will meet at the MFA or will be a field trip to the North or South Shore. Emphasis will be on the life styles of various groups in seventeenth-century society, as expressed in urban and rural settlement patterns, building types, and interior furnishings. Course projects will involve the documentation of the living spaces within particular houses or the early layouts of particular towns, using published materials available in local libraries and historical societies.
2 Credits

Art 200E Silkscreen Printing
Introductory and intermediate silkscreen printing techniques.
2 Credits
Lab Fee: $30.00

Art 293 Photography I
This course introduces the student to basic issues in photography. The mechanics of the camera, the techniques of the darkroom, and matters of creative and personal import are addressed through illustrated lectures, class critiques, and assigned lab hours. Some attention is given to the history of photography.
Note: Photographic materials are expensive. In addition to the lab fee, which provides chemicals and miscellaneous darkroom supplies, students must expect to invest a minimum of $75.00 in paper and film.
Prerequisite: Art C100 or Art 175.
4 Credits
Lab Fee: $30.00

Art C265 Film Analysis
Any thorough and systematic study of film, because of its essentially interdisciplinary nature, must address concerns and problems common to other forms of artistic expression such as literature, theatre, painting, and photography. The particular approach taken in this course to the study of film offers an encounter with the works that goes beyond the conventional experience of theatre and TV viewing and employs special methods of projection that permit detailed analysis by means of the use of slow motion and still frame techniques. The films thus studied will include examples of classic Hollywood, contemporary American, and foreign feature films, and the documentary. The course is not primarily historical in emphasis; rather, its concerns are the visual language of film, its use as the vehicle for narrative and theme, and major film types and styles. Papers are intended to develop skills in writing and critical thinking through the analysis and interpretation of sequences from the films studied in class.
Prerequisite: Sophomore standing.
Core Area: The Arts.
4 Credits
Lab Fee: $20.00

Art 400A Urban Photography Workshop
Students in this course will work on a photographic study of the inner city, concentrating on particular themes relating to larger social and environmental issues (for example: the quality of life in inner city neighborhoods, racism, poverty and affluence, architecture, the elderly, the consumer economy, industry, leisure activities, public rituals, etc.). Class time will be devoted to: field work with the instructor; critiques of student work in progress; and viewing slides of work by photographers who have established their reputations by examining the urban milieu. Students will be expected to complete a portfolio of approximately twelve photographs by the end of the workshop.
Prerequisite: One semester of photographic study (including mastery of basic darkroom skills), or permission of the instructor.
2 Credits
Lab Fee: $20.00

Art 400B Urban Video Workshop
City life will be the theme of this course. Salient elements of the urban context such as crowds and crowding, rush-hours and mass transit, and formalized environments and activities offer compelling avenues and termini. Street-shooting, class discussion and critiques, and lab editing will make up the course work.
Prerequisite: One semester in video or equivalent understanding of technical issues and equipment.
2 Credits
Lab Fee: $30.00

Biology

Biol C101 The Basis of Life
The uniqueness of life within the physical universe. The matter and energy of life, the genetic code, molecular biology, and the origin and evolution of life. An overview for students in the humanities and social sciences of those features which distinguish living organisms from non-living things. No background in the natural sciences is required.
Core Area: Natural Sciences.
4 Credits

Biol C102 Evolutionary Biology
Designed for students in the social sciences and humanities. Those areas of genetics, ecology, and evolution that form a unified approach to the study of organisms and populations. No background in the natural sciences is required.
Core Area: Natural Sciences.
4 Credits

Biol C111 General Biology I
An integrated course stressing the principles of biology. Life processes are examined primarily at the molecular and cellular levels. Intended for students majoring in biology or for non-majors who wish to take advanced biology courses.
Core Area: Natural Sciences.
4 Credits
Lab Fee: $20.00

Biol C112 General Biology II
An integrated course stressing the principles of biology. Life processes are examined primarily at the organismal and population levels. Intended for students majoring in biology or for non-majors who wish to take advanced biology courses.
Prerequisite: Biol C111.
Core Area: Natural Sciences.
4 Credits
Lab Fee: $20.00

Nantucket Courses
Every summer the Biology Department of UMass/Boston offers courses at the University's Field Station in Quaise. The Field Station is located on 114 acres of moor and private beach, approximately three miles from the town of Nantucket. Mainland students live at the station and are responsible for modest expenses.

This year, the program will focus on the ecology of marine and coastal life on Nantucket.

Students interested in these courses should contact Dr. John Ebersole at the Biology Department, 287-1900, x2611.

Biol 200N Field Biology on Nantucket (June 14–July 16)
Coastal ecology with emphasis on physical processes, adaptation, life history strategies, niche relationships, species diversity and succession. The course will emphasize field work and each student will be expected to do a research project.
Prerequisite: At least one course in ecology, evolution, or population biology.
5 Credits

Biol 346N Marine Ecology: Nantucket Harbor (July 19–August 20)
The ecology of Nantucket Harbor is approached through a comprehensive study of the Bay Scallop community, including the roles of microorganisms, predators, meiobenthos, macrobenthos, and the activities of man. Theoretical principles of ecology will be applied to the development of a qualitative model of this community. Meets four days per week for lectures, laboratory exercises, and seminars; the remaining three days per week are for individual research projects and consultations.
Prerequisite: One semester of calculus; a course in microbiology, invertebrate zoology, or marine biology; permission of instructor.
5 Credits

Black Studies

BlkSty 480D Black Urban Politics
An examination of the dynamics of black politics in the urban setting.
3 Credits

BlkSty 480Q Race and the American Legal System
This course will examine the historical relationship of race and the American legal system. It will examine the social forces and events that precipitated major court decisions and legislative enactments from slavery to the present.
3 Credits

Classics

Clsics C171 The Greeks
Selected masterpieces of Greek literature (Homer, the tragedians, Plato, Aristophanes) are read in modern English translation. Background lectures and discussions emphasize characteristic values of ancient Greek civilization. Instruction and practice in effective writing.
Core Area: Philosophical and Humanistic Studies.
4 Credits
Note: See also Lat C101 and C102 under "Latin" in this section of the catalog.

Chemistry

Chem C103 Chemical Principles I
Introduction to the fundamental principles of chemistry including structure, the periodic table of the elements, chemical bonding and molecular structure, states of matter based on kinetic theory, chemical kinetics, equilibria, and elementary thermodynamics. Laboratory work presents an introduction to methods of quantitative chemical techniques.
Core Area: Natural Sciences.
5 Credits
Lab Fee: $45.00

Chem C104 Chemical Principles II
Introduction to electrochemistry, oxidation-reduction reactions, and acid-base systems; and a survey of the chemical properties of elements based on principles already introduced. Laboratory work presents qualitative and quantitative analysis.
Prerequisite: Chem C103.
Core Area: Natural Sciences.
5 Credits
Lab Fee: $45.00

Chem 253 Organic Chemistry I
An intensive survey of the structure, reactions, and synthesis of the main classes of organic compounds. Laboratory illustrates the preparation, purification, and identification of organic compounds by classical and instrumental methods.
Prerequisite: Chem C104.
5 Credits
Lab Fee: $45.00

Chem 254 Organic Chemistry II
An intensive survey of the structure, reactions, and synthesis of the main classes of organic compounds. Laboratory illustrates the preparation, purification, and identification of organic compounds by classical and instrumental methods.
Prerequisite: Chem 253.
5 Credits
Lab Fee: $45.00

Critical and Creative Thinking

The following graduate-level courses are offered through the University's interdisciplinary M.A. Program in Critical and Creative Thinking. Thirty graduate credits are required for the MA, although courses are open to non-degree seeking students. Further information is available from the director of the program.

CCT 630 Criticism and Creativity in Literature and the Arts
Expression and evaluation, freedom and discipline, creative production and the critical response to it—how these dualities relate to visual and verbal imagination in literature and the arts and to the application of critical analysis in these fields will be viewed. Specific strategies for eliciting imaginative work in these areas will be demonstrated; both creative works and criticism will be read. Specific strategies for evaluating imaginative works will be included and practiced, and ways of helping others (including children) to develop these skills and effectively utilize these strategies will be discussed.
3 Credits

CCT 697A Controversies in Teaching Science
This course will focus on issues in approaching the teaching of science in elementary and secondary schools when the science curriculum is revised to integrate an emphasis on discovery, problem solving, and critical and creative thinking in science, as well as a broad view of the social, moral, and ethical issues that arise in connection with scientific research and the use of scientific knowledge through technology. Case studies of curricula which attempt this integration will be combined with an exploration of the aims of science education and the practical problems that arise in school settings when attempts to make these curricular changes are made. Examples that apply to general science, as well as the special sciences (e.g., biology, chemistry, and physics), will be interwoven throughout the course.
3 Credits

CCT 697B Creative Problem Solving
This course will explore problem-solving strategies, set in the context of a broader understanding of the thinking processes involved, and explored in connection with techniques that may be useful in helping others develop or enhance their creative problem-solving abilities. Special emphasis will be given to ways in which teachers can integrate instruction aimed at the development of problem solving abilities into a variety of settings in elementary and secondary schools.
1 Credit

CCT 697C Should Creationism be Taught?
This course will study the controversy about teaching "scientific creationism" in the public schools. Part of the course will explore the connection between this contemporary movement and the broader controversies that have arisen, especially in the 19th century, about science and religion in connection with the theory of evolution. The second part of the course will explore the role of the public school science teacher in the creationism controversy and will attempt, particularly, to establish a context for issues in evolutionary theory and creationism that will allow students to explore critically and achieve a broader understanding of the conflict between these two approaches.
1 Credit

CCT 697D Thinking and Young Children: A Non-Developmental Approach
This course will consider examples of reasoning in young children. The aim will be to develop sensitivity to the child's point of view and respect for the child's effort to make sense of our world. Examples of ethical and scientific reasoning as well as philosophical reasoning will be discussed. Relevant theories will be considered, but the emphasis will be on building the student's appreciation of rationality in children's thinking.
1 Credit

Note: Phil 601 Foundations of Philosophical Thought is a required course in the Critical and Creative Thinking M.A. program. See "Philosophy" in this section of the catalog for a course description.

Economics

Econ 101 Introductory Economics I
A broad introductory survey in which special attention will be given to the role of economic principles in analyzing and understanding current economic problems. Emphasis will be placed on the functioning of markets and on examining the behavior of individual economic units such as the business firm and the consumer (microeconomics). (May be taken after Econ 102.)
4 Credits

Econ C101 Introductory Economics I
A broad introductory survey in which special attention will be given to the role of economic principles in analyzing and understanding current economic problems. Emphasis will be placed on the functioning of markets and on examining the behavior of individual economic units such as the business firm and the consumer (microeconomics). Special attention will be given to analytical reading and writing. (May be taken after Econ C102.)
Core Area: Social and Behavioral Sciences.
4 Credits

Econ 102 Introductory Economics II
A broad introductory survey in which special attention will be given to the role of economic principles in analyzing and understanding current economic problems. Emphasis will be placed on examining the overall functioning of the economy and dealing with such matters as unemployment, inflation and recession. (May be taken before Econ 101.)
Core Area: Social and Behavioral Sciences.
4 Credits

Econ 155 Statistical Methods
A non-calculus introduction to statistical inference. The primary objective is to familiarize the students with common statistical concepts so they will be able to make intelligent evaluations of technical reports. The first half of the course covers probability including common distributions. The second half studies hypothesis testing including T-Tests, goodness of fit, contingency tables, analysis of variance, regression, and correlation.
Prerequisite: Placement into Math 110 or equivalent.
3 Credits

Econ 201 Economic Theory I, Microeconomics
Analysis of consumer behavior, the theory of production equilibrium of the firm and the industry, market structures and the pricing of factors of production.
Prerequisite: Econ C101 or 101.
3 Credits

Econ 215 The Political Economy of New England
An examination of the historical origins, present nature, and outstanding problems of our regional economy, with particular emphasis on Massachusetts. Such topics as: historical trends in New England's economic structure; causes and consequences of business investment and location; workers and jobs; the political economy of taxes and government spending; state and regional economic policy making; and a critical examination of alternative strategies for economic development.
Prerequisite: Econ C101 or 101 or C102 or 102 or permission of instructor.
3 Credits

Econ 291 The Economics of Labor and Collective Bargaining
A brief historical overview of the American labor movement and institutions, traditional economic theories of wage determination, and the impact of collective bargaining. A radical critique and alternative theories as applied to low-wage labor markets.
Prerequisite: Econ C101 or 101; C102 or 102 recommended.
3 Credits

Econ 330 The Economics of Money and Banking
An economic analysis of financial institutions and markets in the American economy. Institutional and economic factors in the determination of the money supply are studied, including the commercial banking system, the Federal Reserve system, and the money and capital markets. Concentration on the theory and evidence concerning the demand and supply of money and its effects on the American economy. The debate between the monetarists and the fiscalists, and current monetary issues.
Prerequisite: Econ 202.
3 Credits

English

Engl 101 Freshman English I
Small class instruction and practice in grammar, rhetoric, and the articulation of logical thought. Practice in writing for college courses on various kinds of topics, many from experience and observation, chosen to develop the student's confidence and ability. Readings and materials vary from section to section, but all sections require a minimum of eight 600-word papers.
Note: This course satisfies the first half of the College writing requirement.
4 Credits

Engl 102 Freshman English II
A continuation of Engl 101, with emphasis on topics and writing assignments of the kinds encountered in many types of college courses. Readings and materials vary from section to section, but all sections require a minimum of seven papers, including a longer research paper.
Note: This course satisfies the second half of the College writing requirement.
4 Credits

Engl C130 Introduction to the Art of Literature
Fiction, poetry, drama, essays—what they are and what they mean. An introduction to ways of seeing and understanding literature—its genres, its forms, its styles, its methods and meanings. We will explore the common ground between literature and the other arts, while keeping in view the crucial differences.
Core Area: The Arts.
4 Credits

Engl C201 Five Major British Writers
Representative works by five of the most important writers from the 14th to the 19th century, studied as introductions to philosophical and humanistic studies, explored as reflecting and shaping the leading ideas, assumptions, and values of their ages. Works by Chaucer, Shakespeare, and other authors such as Milton, Swift, and Austen, with films and background lectures on the philosophical and historical contexts of the works and their authors. Instruction in analytical reading and writing will be provided.
Core Area: Philosophical and Humanistic Studies.
4 Credits

Engl C210 Introduction to Creative Writing
An introduction to the arts through the medium of writing as well as reading fiction and poetry. Class discussion of students' original work.
Core Area: The Arts.
4 Credits

Engl 215 Intermediate Composition
A composition course offering continued practice in expository and argumentative writing. The emphasis will be on the development of rhetorical concepts—definition, exemplification, comparison, etc.—for both analytic and compositional purposes, for both critical reading and the organization and development of papers. Readings will be short, complex passages representative of the kinds of discourse met in college classes and texts.
4 Credits

Engl 368 Modern American Fiction
A study of significant American fiction from the close of the 19th century to World War II. Attention to aspects of literary modernism, aesthetic self-consciousness and experimentation, and the interaction between evolving fictional forms and changing social patterns. Further emphasis: the impact of World War I and the Depression upon behavior, sensibility and novelistic strategy; growing explicitness; the emergence of other voices from other rooms—ethnic, sexual, regional, racial; the variety and achievement of modern American fiction. Works by Henry James, Stephen Crane, Edith Wharton, F. Scott Fitzgerald, Ernest Hemingway, William Faulkner and others.
3 Credits

Engl 414 Early Celtic Literature in Translation
The matter of this course is the mythological and heroic narrative literature of medieval Ireland and Wales; particular attention is given to the cultural context out of which it comes and within which it must be interpreted. Although this literature was written, or written down, by men whose religion and much of whose culture derived from Rome, most of it was not essentially either Latin or Christian in spirit. It was shaped and driven by the continuing force of the Celtic tradition—pagan, archaic, and stubbornly vital. Works will include the Irish epic *Tain Bo Cuailnge* and *The Mabinogion* (Welsh).
3 Credits

Engl 415 Irish Literature
A close study of Yeats, Synge, O'Casey, Joyce, and other writers of the modern Irish renaissance. The backgrounds of Irish history and literature relative to the above writers will also be studied.
3 Credits

Engl 633 Shakespeare
Shakespeare's idea of dramatic art as revealed in explorations of one of the following topics—the plays and their sources, theatrical self-consciousness, Shakespeare's language of the theater.
Prerequisite: Permission of graduate program director.
5 Credits

English As A Second Language (ESL)

The program in English as a Second Language serves the linguistic and advising needs of students whose first language is not English. The program is part of the English department curriculum. Students who have never taken an ESL course at UMass/Boston will be required to take the Michigan Test of English Language Proficiency before enrolling in any ESL course. The test can be taken any weekday by appointment at no charge (call 617-287-1900, ext. 2711).

Basic Grammar and Speaking (Non-Credit)
This course offers practice in everyday English. Students will be provided instruction in reading short articles and writing basic English sentences. There will be a variety of activities, such as discussions, which will help students improve their ability to speak and understand basic English.
Cost: $150
No credit

English 100C Fundamentals of English Grammar
This course is a review of basic grammar and sentence structure, such as verb tense and different types of English sentences as they are used in written English.
4 Credits

English 100D Advanced Structure
This course emphasizes control of sentence structure and gives students practice in complex sentence patterns. An introduction to paragraph-level writing is also included.
4 Credits

English 101E Freshman Composition I
This first course in freshman composition provides students with practice in writing papers on various topics. Organization in writing is emphasized, but sentence structure is also worked on.
4 Credits

English 102E Freshman Composition II
This second course in freshman composition provides practice in writing longer papers, with an emphasis on critical reading, the research paper and library skills.
4 Credits

French

French C101 Elementary French I
Intensive practice in the four language skills, with an audiolingual approach, for students who have no creditable training in French.
Core Area: Foreign Languages.
4 Credits

French C102 Elementary French II
A continuation of French 101. Intensive practice in the four language skills, with an audiolingual approach, for students who have completed French 101 or its equivalent.
Core Area: Foreign Languages.
4 Credits

French 301 Traduction et stylistique
Intensive study of grammar, stylistics, and composition. Problems of idiomatic translation based on contemporary English and American texts.
Prerequisite: French 202 or equivalent or permission of instructor.
3 Credits

French 490 Conversation avancée
Intensive practice in oral comprehension and expression, moving from the practical essentials of "survival French" to increasingly sophisticated conversations on subjects and areas corresponding to students' interests and needs. Emphasis on communication of ideas, opinions, feelings. Some attention to non-verbal communication ("body language").
3 Credits

Fundamental Skills

F Skill 033 Fundamentals of Mathematics
The goal of this course is to develop the math skills which are prerequisite for beginning algebra (Math 110). Those skills include: arithmetic operations with whole numbers, fractions, decimals, percentages, negative numbers, and ratios. Students whose scores on the Math Diagnostic Exam do not place them in Math 110 or higher will take this course.
Prerequisite: Math Diagnostic Exam.
2 Credits

German

Ger C101 Elementary German
For students with no creditable training in German. Work in the four language skills with particular emphasis on listening and reading comprehension.
Core Area: Foreign Languages.
4 Credits

Ger C102 Elementary German
Continuation of Ger C101. Work in the four language skills with particular emphasis on listening and reading comprehension.
Core Area: Foreign Languages.
4 Credits

Ger C208 Business German I
Fourth-semester level introductory course in the language and concepts of German business and commerce. Emphasis on basic vocabulary, idioms, proper usage in specific areas ranging from resume writing and business correspondence to the fundamentals of business management, marketing, and finance, presented in a career-oriented context. Special attention to continuous development of verbal skills. Regular attendance essential.
Prerequisite: Ger C200 or equivalent.
Core Area: Foreign Languages.
4 Credits

History

Hist C111 Foundations of Western Civilization
After a brief survey of the ancient world, the course traces the political, economic, and cultural development of Western society from the early Middle Ages to 1715. Emphasis will be given to the critical analysis of primary sources.
Core Area: Historical and Cultural Studies.
4 Credits

Hist C112 Modern Western Civilization
This course traces the major political, economic, and cultural changes which have shaped Western society from the enlightenment to the present. Special attention will be given to the development of skills in written expression and the critical analysis of primary source materials.
Core Area: Historical and Cultural Studies.
4 Credits

Hist C161 Modern African Civilization
The interaction between the West and Africa in the 19th and 20th centuries. The African response to European imperialism, social and economic changes under colonialism, the development of nationalism and the struggle for independence; Africa, and Afro-American experience, and Pan-Africanism. Training in oral and written expression.
Core Area: Historical and Cultural Studies.
4 Credits

Hist 302 Roman History
The Roman state from its origins until the triumph of Christianity. Republic and Empire will receive equal attention.
Prerequisite: Sophomore standing or departmental approval.
3 Credits

Hist 478B Special Topics: Modern Jewry: Toleration to Holocaust, 1647–1948
A documentary study of Jewish historical experience from the age of mercantilism through World War II. Topics will include enlightenment and emancipation, political and racial anti-Semitism, Jewish national movements, and the Holocaust.
3 Credits

Hist 478C Modern Terrorism
This course will study the phenomena of terrorism through an analysis of twentieth century political movements that have used or are using terror to achieve their objectives. The course will develop an analytical framework for exploring the historical backgrounds, objectives, ideologies, tactics, and membership profiles of selected groups as well as for considering the responses of their opponents. Among the groups studied will be the I.R.A., the Irgun, the P.L.O., the Baader-Meinhof, and the Ku Klux Klan.
3 Credits

Hist 478D Local Public History
Students in this limited-enrollment course will be introduced to the methods of local public history, will select a common topic in local history, and will develop from documentary sources and oral histories an exhibition or an illustrated pamphlet for community use. Tapes of oral history gathered during the course will be deposited in the University Library's manuscript collection. Students will begin to explore the use of primary sources and will give considerable attention to uses of history other than the traditional ones.
3 Credits

Graduate Admissions Test Review Courses

The Career Services Office offers non-credit summer courses for students planning to take the GRE, GMAT, LSAT, and MAT tests. The courses are designed to help students prepare effectively for these graduate school admissions tests by familiarizing them with the kinds of questions asked and the strategies most useful in answering them. Each course is a series of nine sessions; each session is three hours long. The schedule is as follows:

GRE:	May 3–14, M–F, 6pm–9pm
GMAT:	June 7–18, M–F, 6pm–9pm
LSAT:	May 17–21 and June 1–4, M–F, 6pm–9pm
MAT:	April 19–22, M–Th, time to be announced
MAT:	May 10–13, M–Th, time to be announced

The cost is $50.00 per course for GRE, GMAT, and LSAT courses; the cost of the MAT course is $25.00. For further information, contact Grace McSorley in the Career Services Office, 287-1900, x2255.

Irish Studies

Irish Studies 302 Contemporary Northern Ireland
This interdisciplinary course will study the current conflict in Northern Ireland, together with its background and origins. Students will read and discuss the history, sociology, politics and literature of the two Ulster communities in order to understand their different hopes, fears, values, and personalities. Various proposed solutions to the "problem" of Northern Ireland will be considered in the light of this understanding.

Labor Studies

LS 160 Introduction to Labor History and the American Labor Movement
The course examines the work experience (wages, hours, conditions) in different eras from colonial times to the present; forms of collective organization such as unions and political parties; the nature of social class and class consciousness; the formation of and changes in working-class ideology; sources of cleavage such as ethnicity, race, skill, and sex; and the role of working people in the making of American history.
3 Credits

LS 228 Introduction to Labor Economics
An examination of the functioning (and malfunctioning) of labor markets in the United States. Topics include labor force participation; factors affecting the supply of and demand for labor; analysis of wage differentials; the problems of poverty, discrimination, unemployment, and inflation and their relationship to labor markets; and the economic impact of collective bargaining.
3 Credits

LS 292 Women and Work
An examination of the participation of women in paid and unpaid work in contemporary America and other countries. Topics include: historical changes in women's participation in the economy; intercultural comparisons of women's work and concepts of women's work; and the relation of women's status to the nature and development of capitalism.
3 Credits

Latin

Lat C101 Elementary Latin I
Designed to complete a standard basic textbook with Latin C102.
Core Area: Foreign Languages.
4 Credits

Lat C102 Elementary Latin II
Continuation of Latin C101.
Core Area: Foreign Languages.
4 Credits

Note: Students may take both Latin C101 and Latin C102 during the summer for the equivalent of a full academic year of study.
See also Clsics C171 under "Classics" in this section of the catalog.

Law and Justice

LawJus 103A Corporate Crime
This course will examine the nature and extent of corporate crime. It will consider several cases of corporate crime, and will examine how corporate crime in particular and "white-collar" crime in general are and ought to be treated by our legal and criminal justice systems. Questions concerning responsibility and punishment will be examined as they relate to the issue of corporate crime.
1 Credit

LawJus 103B Victimless Crimes
This course will examine a selection of so-called "victimless crimes" from a philosophical and legal perspective. Its concern will be with the question of whether we ought to legislate against certain types of socially disturbing activities—and, if so, why. The course will focus on four major categories: drugs, prostitution, homosexuality, and pornography. Readings will be from legal, philosophical, and sociological sources.
2 Credits

LawJus 104 Introduction to Law and Justice
Introduction to Law and Justice is a team-taught, interdisciplinary investigation into some general problems and dimensions of law and justice. The course explores the gaps between law and justice as revealed in a selection of literary, historical, political, philosophical, and sociological materials. Specific institutions and practices (for example: the police, courts, prisons, civil disobedience) are examined in light of the various conceptions of the origins and aims of the law on the one hand and of justice on the other. The course deals with the recurring tensions that are posed between Western culture's desire for order and its haunting yen for justice that transcends law. The course, which parallels the Foundation Course in Law and Justice, uses lectures, discussions, field trips, films, and experts outside the University community. Each offering is team-taught by two faculty members drawn from the humanities and social sciences.
4 Credits

Mathematics

Math Diagnosis
It is greatly to the advantage of the student to be placed in the proper course. To insure placement in the right course, each student will be required to take a Math Diagnostic Test before being admitted to a course that requires this test as indicated in its description. This step will prevent loss of time in switching courses or obtaining refunds after classes have begun.

The test will be given during the following periods, for students enrolling in summer math courses, in the Conference Room in the Office of Registration and Records.

May 17 M 10am–1pm; 4–7pm
May 20 Th 10am–1pm; 4–7pm

Note: Students registering by mail may preregister for desired math courses with the understanding that a subsequent change in courses, as indicated by the Math Diagnostic Test, may occur. An additional Math Diagnostic Test may be taken on Thursday, June 3, from 10am to 1pm and from 4pm to 7pm at the same location.

Math C110 Basic Algebra
For students with weak math background who want to develop skills for further math or science courses. Covers basic high school math. Topics include: multiplying and factoring polynomials, linear equations and straight lines, fractional exponents and radicals, ratios of polynomials, quadratics, word problems. Generally limited to students with less than 3 years of high school math preparation.
Note: No student will receive graduation credits for Math C110 if it is taken after successful completion of Math C124 or C130 or a higher math course.
Prerequisite: Math Placement Test only.
Core Area: Mathematics and Computer Languages.
4 Credits
Note: Any student whose Diagnostic Test indicates a need for a basic course before taking Math 110 should register for FSkill 033 Fundamentals of Mathematics. See "Fundamental Skills" in this section of the catalog.

Math C130 Precalculus
Preparation for first year calculus. Covers symmetry, graphs, functions, lines, parabolas and max-min problems, exponential and logarithm functions, exponential growth, semilog graphing, and the trigonometric functions and their inverses. Qualified students should enter Math C140 *without* taking this course.
Note: No student will receive graduation credits for Math C130 if it is taken after successful completion of Math C140 or a higher math course. Students who have successfully completed Math C130 may not subsequently take Math C124 for credit.
Prerequisite: Math Placement Test only. Successful completion of Math C110 is not enough.
Core Area: Mathematics and Computer Languages.
4 Credits

Math C137 Introduction to Computing
An introduction to the computing process: problem solving with a computer and programming in a computer language. Programming problems make up a substantial part of the course.
Note: Math 137F is an alternative form of Math 137. No one may take both Math C137 and Math 137F for credit.
Prerequisite: Math Placement Test.
Core Area: Mathematics and Computer Languages.
4 Credits
Lab Fee: $6.00

Math C138 Intermediate Computing
The design and implementation of computer programs in a higher level language, with emphasis on proper design principles, proper utilization of advanced programming concepts, advanced features of the programming language, and efficient debugging techniques. The assignments are designed to introduce the student to all varieties of topics in computing, for example: text processing, compiling techniques, Turing machines.
Prerequisite: Math C137 or permission of instructor.
Core Area: Mathematics and Computer Languages.
4 Credits
Lab fee: $6.00

Math C140 Calculus I
The first in the calculus sequence of courses for science and math majors. Starts with the basic concepts of functions and limits. Topics covered include: derivatives and their applications, definite and indefinite integrals with applications to geometrical and physical problems, discussion of algebraic and transcendental functions.
Note: A student who has received credit for Math C135 may not take Math C140 for credit without the explicit permission of the department.
Prerequisite: Math Placement Exam or Math C130.
Core Area: Mathematics and Computer Languages.
4 Credits

Math C141 Calculus II
Continuation of Math C140. Topics include: transcendental functions, techniques of integration, applications of the integral, improper integrals, L'Hospital's rule, sequences, series.
Prerequisite: Math C140 or equivalent.
Core Area: Mathematics and Computer Languages.
4 Credits

Math 150 Vector Geometry and Matrices
Plane and solid analytic geometry from the vector-space point of view. Elementary systems of linear equations. Elementary operations for 2×2 and 3×3 matrices over R. determinants.
Note: No student will receive graduation credit for Math 150 if it is taken after successful completion of Math 260.
Prerequisite: Math C130 or equivalent.
4 Credits

Math 260 Linear Algebra I
Elementary theory of abstract vector spaces. Topics include: linear independence, bases, dimension, linear maps and matrices, determinants, orthogonality, eigenvalues and eigenvectors.
Prerequisite: Math C 141 and Math 150. Math 240 strongly recommended.
4 Credits

Math 301 Algorithms and Data Structures
A systematic study of the methods of structuring data in computing. Advance techniques for program development and organization.
Prerequisite: Math C 138 and C 140 or permission of instructor. Math 345 is recommended.
3 Credits
Lab Fee: $6.00

Music

Music C111 Introduction to Music
Basic music materials, principles of design, and the cultural significance of representative works in historical sequence. Designed primarily for non-music majors.
Core Area: The Arts.
4 Credits

Music C150 Pop Music
A study of popular music and culture in the USA since 1950.
Core Area: The Arts.
4 Credits

Nantucket Programs

During the summer the University conducts programs in Biology and Theatre Arts at its facilities on Nantucket Island. Each course carries full academic credit. Housing is provided on a space-available basis for students enrolled in a program.

Biol 200N Field Biology on Nantucket (offered June 7–July 9)

Biol 346N Marine Ecology of Nantucket Harbor (offered July 12–August 14)

ThrArts 224 Play Production I (offered July 6–July 30)

ThrArts 482A Playwrights and Performers I (offered July 6–July 30)

ThrArts 225 Play Production II (offered August 2–August 26)

ThrArts 482B Playwrights and Performers II (offered August 2–August 26)

For more information, see "Biology" and "Theatre Arts" in this section of the catalog.

In addition, the University will offer "A Literary History of Americans and the Sea," taught by the noted maritime historian, Edouard Stackpole. For more information, see "American Civilization" in this section of the catalog.

Philosophy

Phil C100 Introduction to Philosophy
An introductory examination of the problems and scope of philosophy.
Core Area: Philosophical and Humanistic Studies.
4 Credits

Phil 104 Reasoning and Argument
Introduction to the basics of reasoning, argumentation, and critical thinking. Discussion will include criteria of sound reasoning, valid argumentation, common fallacies, and basic informal logic. The course will depend heavily on examples and exercises, which will be drawn primarily from non-philosophical discourse, e.g., political statements, advertisements, news stories, comic strips.
3 Credits

Phil C108 Moral and Social Problems
Important moral and social issues of current concern will be examined and debated. The course covers three problems from a list including: criminal punishment, war, abortion, racism, violence, the death penalty, private property, and sexism.
Core Area: Philosophical and Humanistic Studies.
4 Credits

Phil C120 Introduction to Logic
The forms of valid reasoning, deductive and inductive, and their role in reflective thinking, formal logic, truth functions, quantifiers, proofs of formal adequacy, the classical problem and new riddle of induction, reasoning with probabilities, and elements of game theory.
Core Area: Mathematical and Computer Languages.
4 Credits

Phil 388 Moral Issues
Application of advanced philosophical techniques to case studies and philosophical issues concerning three or four interrelated moral issues such as suicide, self-defense, capital punishment, abortion, and euthanasia. Emphasis on contemporary sources with some consideration of the views of classical philosophers.
Prerequisite: Philosophy 100 or C108 or 108 or permission of the instructor.
3 Credits

Phil 601 Foundations of Philosophical Thought
Through discussion of four or five traditional substantive problems in philosophy—morality, the nature of knowledge, freedom of the will, the nature of mind, and social organization—the course will attempt to derive a common approach that philosophers bring to these problems when developing their own solutions or criticizing the solutions of other philosophers. It will also consider some of the ways that substantive issues and debates in philosophy relate to contemporary non-philosophical issues in our society and can be introduced into a broad range of educational environments outside standard philosophy courses.
Prerequisites: Junior or senior standing and permission of instructor.
3 Credits
Note: Phil 601 is a required course in the Critical and Creative Thinking M.A. program.

Physics

Phys C107 College Physics I
Non-calculus introductory physics for the student with a strong interest or background in science. Topics in mechanics, wave motion, heat, kinetic theory of gases, electricity, optics, atomic and nuclear physics. Biology majors, premedical students, and others who need or want laboratory work in physics should enroll concurrently in Phys 171.
Prerequisite: Math C130 or permission of instructor.
Core Area: Natural Sciences.
4 Credits

Phys C108 College Physics II
A continuation of Phys C107. Biology majors, premedical students, and others who need or want laboratory work in physics should enroll concurrently in Phys 172.
Prerequisite: Phys C107 or permission of instructor.
Core Area: Natural Sciences.
4 Credits

Phys C113 Fundamentals of Physics I
Topics in classical physics, including mechanics, thermodynamics, and kinetic theory. Basic concepts of calculus are introduced within the context of physical phenomena. Students who need or want laboratory work in physics should enroll concurrently in Phys 171.
Corequisite: Math C140; Corequisite for physics majors—Phys 171.
Core Area: Natural Sciences.
4 Credits

Phys C114 Fundamentals of Physics II
Electricity, magnetism, waves and light, further development of mathematical tools of physics. Students who need or want laboratory work in physics should enroll concurrently in Phys 172.
Note: Phys C114 may be substituted for Math 150 as a prerequisite for Math 240.
Prerequisite: Phys C113 or permission of instructor.
Corequisite: Math C141; Corequisite for physics majors—Phys 172.
Core Area: Natural Sciences.
4 Credits

Phys 171 Introductory Physics Laboratory I
A laboratory course designed primarily for biology majors and premedical students. Experiments in basic physics on mechanics, electricity and magnetism, and optics.
Corequisite: Phys C107 or C113.
1 Credit

Phys 172 Introductory Physics Laboratory II
A laboratory course designed primarily for biology majors and premedical students. Experiments in basic physics on mechanics, electricity and magnetism, and optics.
Corequisite: Phys C108 or C114.
1 Credit

Political Science

PolSci C123 Political Ideas of the Twentieth Century
Major political viewpoints of the present including Conservatism, Liberalism, Marxism, and Fascism.
Core Area: Social and Behavioral Sciences.
4 Credits

PolSci C220 International Relations
Through the examination of past and current international events, this course will identify basic principles and concepts which explain the behavior of nations; and it will provide an introduction to the general area of social and behavioral sciences. Special attention will be given to the role of war, economic relations, technology, ideologies (Marxism and Capitalism-Liberalism in particular), and various attempts, like those of the United Nations, to regulate international conflict. Of particular concern will be the role of the Third World and its perspective, the dynamics of global interdependence, and the psychological dimension which ultimately determines how nations perceive each other. This course will also help students develop their analytic skills in speaking, reading, and writing.
Prerequisite: Sophomore standing.
Core Area: Social and Behavioral Sciences.
4 Credits

PolSci 341 Metropolitan Politics
Municipal politics, organization and functions; special reference to impact of recent social and economic changes upon city, suburban and intergovernmental politics in metropolitan regions.
Prerequisite: Junior standing.
3 Credits

PolSci 363 Government and Politics of the Soviet Union
The historical and ideological origins of the Soviet Union, the role of the Communist Party in Soviet society, interest groups in the Soviet society today.
Prerequisite: Junior standing.
3 Credits

PolSci 424 American Foreign Policy
Major issues and problems of American foreign policy in the contemporary world. The domestic sources of foreign policy. Problems examined will vary from year to year.
Prerequisite: Junior standing.
3 Credits

PolSci 488 Field Work in Politics
Carefully supervised field work, available only to a limited number of qualified students. Written prospectus of the project, periodic conferences with a faculty advisor, and appropriate written work required.
Prerequisite: Completion of a relevant course, and permission of the department.
3 Credits

PolSci 590 Field Practicum in Politics
Prerequisite: Approval of Political Science Department.
9 Credits

Psychology

Psych C100 Introductory Psychology
An introduction to the scientific study of individuals and their behavior including an examination of human development, psychological processes (for example, feeling, thinking, learning), personalities, social relationships, and biological processes. Course assignments and classroom work will integrate the course content with training in writing.
Core Area: Social and Behavioral Sciences.
4 Credits

Psych C102 Introduction to Behavioral Research
An introduction to the ways of discovering, describing, and making warranted assertions about aspects of people and social life. The chief objectives are: 1) to develop the skills and knowledge necessary to become an intelligent critic of research in the behavioral and social sciences and 2) to impart a rudimentary understanding of the design and evaluation of scientific research. Statistical material will be treated in a conceptual manner. Course assignments and classroom work will integrate the course content with training in writing skills.
Prerequisite: Psych C100.
Core Area: Social and Behavioral Sciences.
4 Credits

Psych 101 Introductory Psychology
A general survey of selected content areas in psychology, including personality and human development, physiological psychology, learning, intelligence, heredity and environment, motivation and emotion.
4 Credits

Psych 215 Psychopathology
Etiology, dynamics and treatment of psychopathology.
Prerequisite: Psych C100 or 101.
3 Credits

Psych 236 The Psychology of Women
Psychological theories about women from Freud to the present will be examined with emphasis placed on biological and socio-cultural perspectives as they have influenced the development of a psychology of women. Special attention will be paid to the developmental process and the unique issues and concerns of the female infant, child, adolescent, young adult, and older woman.
Prerequisite: Psych C100 or 101.
Recommended: Psych 230, 241
3 Credits

Psych 260 Physiological Psychology
An examination, in depth, of selected topics in physiological psychology, including the evolution of the vertebrate nervous system, communication in the central nervous system, physiological methods, emotion, reward and punishment.
Prerequisite: Psych C100 or 101 or Biol 111.
3 Credits

Study of Religion

RelStd C104 Socrates, Jesus, Buddha
A study of the three great paradigmatic figures and the different ways of life and views of reality which they represented. Attention to the social-cultural contexts in which they emerged; critical evaluation of Socrates and Jesus as sources of Western values; and exploration of why the Buddha has recently become an attractive alternative.
Core Area: Philosophical and Humanistic Studies.
4 Credits

RelStd C122 Introduction to Religion
An introductory and survey course in the study of religion, concentrating on certain figures and movements from the major world religious traditions, and using psychological, sociological and theological-philosophical approaches. Readings such as the *Gilgamesh Epic*, Augustine's *Confessions*, Gandhi's autobiography, Hasidic stories, Zen koans, Sufi tales, as well as contemporary writings. Emphasis is placed on writing and critical thinking. The course is restricted to freshmen and sophomores.
Core Area: Philosophical and Humanistic Studies.
4 Credits

Sociology

Sociol C101 Introduction to Sociology
The structure of society, cultural patterns, and group life. The individual and socialization, groups, institutions, social systems, social change.
Core Area: Social and Behavioral Sciences.
4 Credits

Sociol 211 The Urban Community
The development of the city as a complex form of the human community. History and growth of urbanism in industrial societies and developing nations. Urban change and the problem of planning.
Prerequisite: Sociol C101 or 101.
3 Credits

Sociol 241 Elements of Sociological Theory
Reading and discussion of basic sociological works in theory. Relevance of earlier and contemporary sociological interests and research.
Prerequisite: Sociol C101 or 101 and junior standing.
3 Credits

Sociol 242 Family
A comparative and historical analysis of family systems. Emphasis on the development and future prospects of the nuclear family in middle-class industrial society.
Prerequisite: Sociol C101 or 101.
3 Credits

Sociol 384 Medical Sociology
The course focuses on the contribution of the social sciences to the field of medical care. This is done along two dimensions: (1) Illness and treatment are defined from a socio-cultural, biological perspective; (2) sociological theories and studies are then brought to bear on the problems of definitions of illness, illness behavior and the use of medical services, the organization of medical services and the future frontiers of social science in medicine.
Prerequisite: Sociol C101 or 101, and one additional sociology course.
3 Credits

Sociol 463 Corrections
Prisons, jails, parole, and probation. Attention to inmate social structure, and philosophy underlying correctional system and modern treatment approaches.
Prerequisite: Junior standing and Sociol 462.
3 Credits

Sociol 466 Research Studies in the Sociology of Alcoholism
An in-depth analysis of sociological factors related to drinking behavior, alcoholism, and treatment and prevention programs. Special emphasis placed on theory, research studies, and methodological problems in studying alcoholic populations. Attention also given to special topics—alcohol and crime, traffic safety, family crises, industry, and skid row.
Prerequisite: Sociol C101 or 101, senior standing, and permission of instructor.
3 Credits

Spanish

Span C101 Elementary Spanish I
For students with no creditable training in Spanish. An intensive study of the four language skills based on an audio-lingual approach.
Core Area: Foreign Languages.
4 Credits

Span C102 Elementary Spanish II
A continuation of Spanish C101. An intensive study of the four language skills based on an audio-lingual approach.
Prerequisite: Span C101 or equivalent.
Core Area: Foreign Languages.
4 Credits

Span C103 Intensive Elementary Spanish
An intensive study of the four language skills for those who wish to do a full year of elementary Spanish in one semester or session. May be taken for credit by students who have studied two years in high school and wish to start over.
Core Area: Foreign Languages.
8 Credits

Span 105 Basic Spanish for Communication
An intensive course designed to approach the language from a practical point of view. Basic grammar will be studied in the context of the material presented. This material will focus on vocabulary in three different areas: business and finance; medical and hospital terminology; and oral communication. The course will cover material equivalent to two semesters of Spanish with practice in the four language skills.
8 Credits

Span C205 Intensive Intermediate Spanish
A continuation of Span C103 for those who wish to do a full year of intermediate Spanish in one semester or session. Students who have passed Span C103 will have priority, but the course may be taken by anyone eligible for Span C205 if there is room.
Prerequisite: Span C102 or equivalent.
Core Area: Foreign Languages.
8 Credits

Span 301 Advanced Composition and Conversation
Designed to provide practical training in oral and written expression to students with intermediate proficiency in Spanish. Recommended to students who wish to practice and improve their ability to communicate in Spanish. Weekly themes and frequent oral reports. Not open to Spanish-speaking students.
Prerequisite: Span C202 or equivalent.
3 Credits

Span 306 Introduction to the Techniques of Translation
Development of the basic techniques and skills needed for translation. Emphasis on translation into the native language with some practice in the opposite direction. Methods of contrasting linguistics to analyze pertinent aspects of language structure, involving syntax, vocabulary and style, are employed. Material for this course is taken from published translations of both a literary and non-literary nature. Students are given ample opportunity to apply these techniques through a series of translation assignments, which form the basis for class discussion.
6 Credits

Span 307 Advanced Translation
Practice in translating a variety of genres and styles, both literary and non-literary, e.g., passages from cultural material, short stories and essays; government documents; scientific, commercial and technical prose. Emphasis is on translating into the native language, but considerable practice is given in translating material in the commercial and human service fields from the native to the non-native language. Literary material is taken from various periods to make students aware of historical changes in vocabulary, syntax, tone and style.
Prerequisite: Span 306.
6 Credits

Spanish Translation Program
The Program in Translation is designed for native speakers of both English and Spanish, and is meant to give them a career option by providing them with a skill ancillary to their basic education. The program consists of two intensive six-credit courses (Span 306 and 307), offered in consecutive six-week sessions. Students will concentrate on translating into their own language, but will also do some translation into the non-native language. Upon successful completion of the coursework, students will qualify as candidates for the Certificate in Translation. A departmental panel will grant certificates to students who pass the comprehensive examination in translation. Credits for completed coursework may be earned independently.

For information about prerequisites and qualifying examinations, call the Spanish Department at 287-1900 x3211.

Theatre Arts

ThrArt 125 Speech and Movement
Basics of voice-training, diction-improvement, diaphragmatic breathing, movement work for the stage; characterization-movement and movement to develop stage presence.
3 Credits

ThrArt 236 Introduction to Acting I
Dramatic form as required in acting. A survey of various styles: Greek, Elizabethan, Restoration, and Modern; the actor's function with emphasis on recently evolved methods of acting, and upon preparation of scenes in class.
3 Credits

ThrArt 481A Modern Dance Theatre
The course studies basic techniques to train the body as an instrument of expression in dance. Students develop a movement vocabulary from the practice of modern and jazz forms, and the ability to create their own dance sequences through improvisation and assigned compositional problems. Emphasis will be placed on developing personal movement style.
3 Credits

ThrArt 481B TV Performance
A non-technical introduction to the process of TV performance, the course explores acting and directing for this medium, and provides a basic understanding of vocabulary for television. Extensive work in preparation and practice before the camera.
3 Credits

Nantucket Courses
The Theatre Arts Department will offer a special two-month program incorporating the talent and experience of people interested in playwriting, performance, and theatrical production. Original scripts will provide the basis for the company's work.

The program will carry twelve credits in Theatre Arts.

Students admitted into the program will be housed at the UMass/Boston residence facilities at Gouin Village on Nantucket. Total cost including housing for July and August is $850.

Interested students should apply to Professor Louis E. Roberts, Chair, Theatre Arts Department, 287-1900 x2971.

ThrArt 224 Play Production I (July 6–July 30)
A study of the process of producing a theatrical event, emphasizing the selecting and training of the production staff, budgeting, and promotion. Lab work includes supervisory roles in department productions.
3 Credits

ThrArt 482A Playwrights and Performers I (July 6–July 30)
An integrated approach to the practice of rewriting original material in the rehearsal process, addressing the problems of authors, directors, and actors.
3 Credits

ThrArt 225 Play Production II (August 2–August 26)
Further exploration of the process of producing theatre, emphasizing organization of personnel and the facilities for touring and for repertory. Prerequisite: ThrArt 123 or 224.
3 Credits

ThrArt 482B Playwrights and Performers II (August 2–August 26)
A continuation of Playwrights and Performers I, with emphasis on polishing both script and performance.
3 Credits

Women's Studies

WoSt C100 Women and Society: An Introduction to Women's Studies
An introductory, interdisciplinary course recommended as a first course in women's studies. Through lectures, readings, and discussions, students will examine the origins of women's oppression; female and male sex roles; marriage and the family; women workers at home and in the labor force. Students will relate their course material to experiences in their own lives. Preference given to first and second year students.
Core Area: Social and Behavioral Sciences.
4 Credits

WoSt 180A Women's Health Care, Past and Present
Focusing on a variety of topics, including nutrition, pregnancy, childbirth, and surgery, the course examines the attitudes toward and treatment of women advocated by the 19th and 20th century American medical profession. The influence of the contemporary women's health movement will also be considered.
2 Credits

WoSt 180B Women and Counseling
This course will examine major areas concerning women and mental health counseling: (1) the experience of women with "madness" and the mental health system; (2) critiques of the present system, based on an awareness of sex role differences; (3) theories of feminist counseling; and (4) the practice of feminist counseling.
1 Credit

WoSt 200 Twentieth Century Women Writers: A Feminist Perspective
An intermediate-level course which examines the ways women writers in this century have dealt with some important themes of contemporary feminism. These include: the special difficulties facing the woman artist; the process of female socialization and its impact on mother-daughter relationships; female adolescence; lesbianism; the need for making the lives of ordinary women a subject for study and a source of artistic creation; and rediscovery of women's collective past. Novels, short stories, some analytical essays, and autobiographies will be used.
Prerequisite: One women's studies course or permission of instructor.
3 Credits

Note: Psych 236 and LS 292 fulfill requirements of the Women's Studies Certificate Program. See "Psychology" and "Labor Studies" in this section of the catalog.

The College of Management and Professional Studies

Note: Before registering for CMPS courses, students should be sure that they have met any prerequisites listed in the descriptions of those courses. Students not enrolled in CMPS will be asked by their instructors to provide information regarding their educational preparation on the first day of classes.

Accounting and Finance

AF 210 Financial Accounting
Presents the theory and techniques of financial accounting. The course encompasses the basic functions of collecting, processing, and reporting accounting information for interested third parties (e.g. owners, investors, and government) and enables students to analyze, interpret, and use accounting information effectively.
3 Credits

AF 211 Managerial Accounting
Presents the theory and technique of managerial accounting, from the particular perspective of the manager. The course covers the identification and analysis of the behavior of costs within the organization, and illustrates how managers use such knowledge for planning and control. Major topics include responsibility accounting, comprehensive and cash budgeting, and standard job order and process cost systems.
Prerequisite: AF 210.
3 Credits

AF 301 Financial Management
Introduces financial management, both short term and long term, including working capital management and budgeting, leverage, debt capacity, dividend policy, and time-value of money. The course also acquaints students with the kinds of securities issued by public and private entities.
Prerequisite: AF 210.
3 Credits

AF 411 Cost Accounting
Examines the design, implementation, and operation of cost accounting systems. With primary emphasis on cost analysis in manufacturing, the course explores cost standards, actual performance, and variables. To a lesser extent, the course also applies concepts of cost accounting to mercantile and service organizations.
Prerequisite: AF 211 and 310.
3 Credits

AF 480 Accounting and Finance Internship
Provides students with opportunities for full- or part-time work experience in an accounting and finance setting. On-site supervisors and faculty sponsors provide guidance and supervision for each intern.
Prerequisite: Permission of CMPS Internship Office.

Essential Skills

ESM 210 Critical Thinking and Writing
Offers instruction and practice in the writing of persuasive, analytical prose. The course encourages students to write with the clarity and coherence necessary for professional, managerial work.
Prerequisite: Enrollment in a CMPS degree program.
3 Credits

ESM 211 Writing and Managerial Thinking
Builds on the critical thinking and writing skills students develop in ESM 210 and extends those skills to managerial thinking and writing. The course emphasizes clarity and structure in case analysis and project reports.
Prerequisites: ESM 210 and permission of instructor.
3 Credits

Management Sciences

MS 110 Introduction to Computers in Management
Introduces students to computers and their use in information processing and decision making. Among the topics the course considers are evolution of information processing, data representation, program flowcharting, basic programming, and simple applications.
3 Credits
Lab Fee: $6.00

MS 210 Managerial Statistics
Provides the student with a basic knowledge of ways to reduce masses of data into a meaningful form for decision making. The course examines collection and presentation of data, frequency distributions, measures of central tendency and dispersion, probability and probability distributions.
Prerequisite: Math 110 (may be taken concurrently).
3 Credits

Management

MGT 220 Ethics and Management
Reviews briefly the modes of moral evaluation considered in *Problems of Inquiry* (MGT 210) and examines the kinds of ethical principles (e.g., justice, equality, rights, and obligations) generally offered in justification of ethical judgments. The course then becomes a supervised independent study in which the student chooses an ethical problem in management to explain and evaluate.
Prerequisite: MGT 210 or permission of instructor.
3 Credits

MGT 301 Management of Human Resources I
Introduces the process of planning, organizing, directing, and controlling activities as they relate to the effective use and development of people in formal organizations. Students learn analytical tools for recognizing, diagnosing, and acting on managerial problems related to organizations, their objectives, and the development of human resources. The course emphasizes organizational analysis and design and the analysis of effects of organizational structure on human performance.
3 Credits

MGT 302 Management of Human Resources II
Examines theories and research about human behavior in organizations. Through experiential learning, students analyze individual behavior, interpersonal relations, and group dynamics, all from a managerial perspective. The course also considers the options open to management in structuring human performance as well as the value implications implicit in personnel decisions.
Prerequisite: MGT 301.
3 Credits

MGT 480 Management Internship
Provides students with opportunities for full- or part-time work experience in a management setting. On-site supervisors and faculty sponsors provide guidance and supervision for each intern.
Prerequisite: Permission of CMPS Internship Office.
3 Credits

MS 211 Quantitative Analysis
Provides the student with additional (beyond MS 210) knowledge of statistical analysis approaches used in decision making. Topics include: decision theory, bayesian statistical approaches, statistical inference, non-parametric regression, and correlation analysis.
Prerequisite: MS 210.
3 Credits

MS 301 Operations Management
Introduces the student to the design and control problems of every system that transforms inputs into outputs, with major emphasis given to the problems associated with the production function of a manufacturing organization. The course also covers operations research approaches used to solve the associated problems.
Prerequisite: MS 210.
3 Credits

MS 480 Management Sciences Internship
Provides students with opportunities for full- or part-time work experience in a management sciences setting. On-site supervisors and faculty sponsors provide guidance and supervision for each intern.
Prerequisite: Permission of CMPS Internship Office.
3 Credits

Marketing

MKT 301 Principles of Marketing
Develops students' understanding of marketing principles underlying the selection and assessment of markets and the development and delivery of products and services.
Prerequisites: MS 110, Econ 101, and Econ 102.
3 Credits

MKT 401 Marketing Management
Teaches the principles of formulating a marketing program. The course demonstrates how and why marketing programs are affected by the marketing forces that bear on the firm while remaining consistent with the needs of the target market segment.
Prerequisites: MKT 410 and 440.
3 Credits

MKT 402 Sales Management
Develops students' understanding of and skills in managing the personal selling function. The course is divided into three parts: personal selling as part of the organization's promotional marketing and corporate strategies; self-management and the selling process; administrative and strategic decisions of the sales manager.
Prerequisite: MKT 301.
3 Credits

MKT 403 Advertising
Develops students' analytical and decision making skills in media evaluation and selection, creative strategy, campaign planning and evalution. The course also examines the practical applications of contemporary advertising theory as well as the place of advertising management in successful business operations and in society as a whole.
Prerequisites: MKT 301 and third year standing.
3 Credits

MKT 440 Buyer Behavior
Examines the decision making models of individual and organizational buyers, the nature of various exogenous and endogenous variables that affect decisions and behavior, the measurement of each variable and its significance to the marketer. The course draws on concepts from economics, psychology, sociology, and anthropology.
Prerequisite: MKT 301.
3 Credits

MKT 480 Marketing Internship
Provides students with opportunities for full- or part-time work experience in a marketing setting. On-site supervisors and faculty sponsors provide guidance and supervision for each intern.
Prerequisite: Permission of CMPS Internship Office.
3 Credits

American Civilization

Am Civ C201 The Thirties
A study of American society and culture during the years from the Panic of 1929 to the attack on Pearl Harbor in December, 1941. Several kinds of evidence will be considered: the accounts of people who lived during the decade; the interpretations of historians; and the representations of artists, writers, and film-makers. The objectives of the course will be to develop an idea of the main characteristics of American society and culture during the 1930's, a conception of the decade's significance, and an increased understanding of the processes of historical and cultural analysis and interpretation.
Core Area: Historical and Cultural Studies.
4 Credits

Biology

Biol 207N Anatomy and Physiology I
A study of the human organism, correlating structure and physiological mechanisms. Emphasis on skin, the special senses, and the skeletal, articular, muscular, nervous, and endocrine systems. Required of nursing and medical technology majors. May be taken as an elective by biology majors.
Prerequisite: former Boston State Biology 102 or 108.
4 Credits

Biol 208N Anatomy and Physiology II
Emphasis on the digestive, circulatory, respiratory, excretory, and reproductive systems. Required of nursing and medical technology majors. May be taken as an elective by biology majors.
Prerequisite: Biol 207N.
4 Credits

Biol 334N Microbiology
Characterization and classification of the major groups of microorganisms, and the relationships of some of these with man and the environment. Lectures and laboratory work will treat distinguishing morphological, physiological, and nutritional characteristics of the bacteria, algae, fungi, and protozoa. Consideration of host-parasite relationships and of environmental, food, and industrial microbiology.
Prerequisites: Biol 211 and Chem C104.
4 Credits

Chemistry

Chem 107 Introduction to Chemistry I
Atomic and molecular structure, bonding energetics, and chemical reactions, as well as the theoretical principles of general chemistry, are considered. Required for nursing majors. Also open to non-science majors.
5 Credits

Chem 108 Introduction to Chemistry II
Basic organic chemistry, nomenclature, classes of compounds, and reactions of these classes are discussed as an introduction to a survey of biochemistry. Required for nursing majors. Also open to non-science majors.
Prerequisite: Chem 107.
5 Credits

Economics

Econ 125 Introduction to Marxist Analysis
An introduction to Marxist economic analysis, giving students an initial exposure to the basic concepts and methods of analysis of Marxist economics. Several themes and concepts will run throughout the course; these include the processes of alienation and exploitation, the operation of contradictions and the role of dialectics, and the role of the state in capitalistic societies.
4 Credits

Econ 249 The Political Economy of Environmental Control
An introductory survey of the impact and challenge of environmental disruption upon the environment and the quality of life in our society. The sources, measurement, and control of pollution as a problem in private and social planning. A transdisciplinary approach including legal, social, political and psychological factors. Prerequisites: Econ C101 or 101 and C102 or 102.
3 Credits

English

Engl 106 Oral Communication
A course offering training and practice in short talks, demonstrations, and discussions.
3 Credits

Engl 201 Five British Writers
An introduction to literature in English through close study and discussion of representative works by five of the greatest authors of the past seven centuries. Authors who may be studied include Chaucer, Shakespeare, Milton, Swift; poets such as Donne and Wordsworth; novelists such as Austen, Dickens, and Hardy. Special attention to the writing of short papers about literature.
4 Credits

Engl 204 Introduction to Fiction
An introduction to the nature and study of prose fiction through the close critical reading and discussion of technique and theme in a selection of short stories and longer works. Special attention to form, technique, and language in a variety of fictional modes as preparation for the more advanced study of the novel. Emphasis on the writing of critical and interpretive papers.
4 Credits

Engl 230 Introduction to American Literature I
Prose and poetry of American writers from the first explorers through the Civil War, during the ages of Puritanism, Revolution, and Romanticism. Among the texts, many of which are historical, philosophical, political, and religious in nature, will be works by William Bradford, John Smith, Anne Bradstreet, John Winthrop, Thomas Paine, Benjamin Franklin, Jonathan Edwards, Phyllis Wheatley, Indian orators, Hawthorne, Poe, Emerson, Whitman, Melville, and Frederick Douglass.
4 Credits

Engl 231 Introduction to American Literature II
American life and letters in times of boom and bust after the Civil War—the Great Barbecue, the Brown Decades, the Great War, the Depression and after—studied in the fiction of such writers as Twain, James, Hemingway, Fitzgerald, Baldwin, and Bellow; poets such as Dickinson, Frost, Stevens, Lowell, and Plath; and dramatists such as O'Neill and Miller. Light shed through literary art on 19th and 20th century American problems, and on the conflict between American Dream and American reality.
4 Credits

Engl 324 Short Story
A study of the short story, chiefly as a genre of this century. The course will trace its development from 19th century origins, concentrating its reading on such American and Irish writers as Welty, O'Connor, Cheever, Lavin, Joyce, Hemingway, and Montague, and considering as well the statements made by short story writers on the poetics of short fiction.
3 Credits

History

Hist 265 American History I
A survey of American history from 1763 to the Civil War. The expansion and consolidation of the American union, the development of national and international policies and the cultural and economic forces that shaped them.
4 Credits

Hist 266 American History II
A survey of American history from the Civil War to the present. Expansion and consolidation of the American union, the development of national and international policies and the cultural and economic forces that shaped them.
4 Credits

Hist 301 Greek History
A survey of the origin, rise and development of ancient Greek civilization from the arrival of the Greeks in Europe until the death of Cleopatra. Emphasis on the rise of the Greek city-state and the spread of Greek culture to the East.
Prerequisite: Sophomore standing or departmental approval.
3 Credits

Hist 324 Russian History II
A survey of the political, economic, social, and intellectual development of Russia from 1861 through the Soviet Union in the Second World War.
Prerequisite: Sophomore standing or departmental approval.
3 Credits

Hist 478A Special Topics: New England Merchants and the Zanzibar Trade
This course will explore the economic and social contacts between New England and 19th century East Africa. The course will focus on such topics as American maritime traditions in the post-Revolutionary era, the history and culture of Salem and its ship-building industry, the role of American merchants in the Oriental trade, the politics and economics of the Sultanate of Zanzibar, the importance of Indian merchants in Zanzibar, and American foreign policy toward Africa in the 19th century. Course materials will include diaries of sea captains and Salem merchants.
3 Credits

Mathematics

Math Diagnosis
It is greatly to the advantage of the student to be placed in the proper course. To insure placement in the right course, each student will be required to take a Math Diagnostic Test before being admitted to a course that requires this test as indicated in its description. This step will prevent loss of time in switching courses or obtaining refunds after classes have begun.

The test will be given during the following periods, for students enrolling in summer math courses, in the Conference Room in the Office of Registration and Records.

May 17 M 10am–1pm; 4–7pm
May 20 Th 10am–1pm; 4–7pm

Note: Students registering by mail may preregister for desired math courses with the understanding that a subsequent change in courses, as indicated by the Math Diagnostic Test, may occur. An additional Math Diagnostic Test may be taken on Thursday, June 3, from 10am to 1pm and from 4pm to 7pm at the same location.

Math C103 College Algebra
Topics studied include algebraic manipulations, equations, functions, exponentials, and logarithms. Equivalent to BSC 18103. Offered only in the summer of 1982. The offering of this course is subject to approval. Note: No student will receive credit for Math C103 and either C110 or BSC 18103.
Prerequisite: Math Placement Test.
3 Credits

Math C104 Precalculus Mathematics
Inequalities, graphs; trigonometric, rational, and exponential functions. Equivalent to BSC 18104. Offered only during the summer of 1982. The offering of this course is subject to approval. Note: Any student who has already taken Math C130 or BSC 18104 may not take C104. Any student who takes C104 must obtain the permission of the Mathematics Department before registering for C130.
Prerequisite: Math Placement Test.
3 Credits

Math C107 Computer Concepts–Computer Science and Information Systems
Introduction to electronic data processing systems including consideration of hardware, systems analysis and design, applications, and program design; and a survey of programming languages. Equivalent to BSC 18115. Offered only during the summer of 1982. The offering of this course is subject to approval. Note: This course may not be taken after C105 or BSC 18115.
3 Credits
Lab Fee: $6.00

Math C107 Computer Concepts–Introduction to BASIC
Introduction to the BASIC programming language. Exercises are run on the University computer. Equivalent to BSC 18250. This course covers roughly half the material covered in Math C137 (BASIC). Offered only during the summer of 1982. The offering of this course is subject to approval. No student may receive credit for this course and C137 or BSC 18250. Students who wish to take Math C138 after this course should consult the department.
3 Credits
Lab Fee: $6.00

Math C107 Computer Concepts–Introduction to FORTRAN
Introduction to FORTRAN with applications to scientific problems. Exercises are run on the University computer. Equivalent to BSC 18252. The course covers roughly half of the material covered in Math C137 (FORTRAN). Offered only during the summer of 1982. The offering of this course is subject to approval. Note: This course may not be taken after C137 or BSC 18252. Students who wish to take Math C138 after this course should consult the department.
3 Credits
Lab Fee: $6.00

Math C107 Computer Concepts–Introduction to COBOL
COBOL (Common-Business Oriented Language), including identification, environment, data and procedure divisions with applications to business-oriented problems. Equivalent to BSC 18253. Offered only during the summer of 1982. This course does not count toward a computer science major. Note: This course may not be taken after C137 or BSC 18253.
3 Credits
Lab Fee: $6.00

Math C120 Liberal Arts Mathematics
Designed for students who do not expect to take many mathematics and/or science courses. Aims at providing an appreciation of the nature of mathematics. Topics serving that end are selected from number theory, elementary topology, combinatorics, etc. This course is not a prerequisite for other courses and it has no other college mathematics courses as a prerequisite. Not open to mathematics majors.
Prerequisite: Math Placement Test or, if necessary, Math C110.
Core Area: Mathematics and Computer Languages.
4 Credits

Math C123 Elementary Statistics
Statistics without calculus. Brief review of elementary probability. Finite distributions and probability density functions. Expectations, confidence intervals, and tests of hypotheses. Note: No student will receive graduation credits for Math C123 if it is taken after successful completion of Math C136 or 345 or 645 or BSC 18120, 18400, 18402.
Core Area: Mathematics and Computer Languages.
3 Credits

Math C135 Survey of Calculus
Calculus developed intuitively and applied to problems in biology, economics, psychology, and geometry. A course for non-physical science and non-math majors. Suitable for some pre-medical programs (along with Math C136). Equivalent to BSC 18110.
Note: No student will receive graduation credit for Math C135 if it is taken after successful completion of Math C136, C140, BSC 18106, or a higher math course.
Prerequisite: Math C124 or C130 or equivalent.
Core Area: Mathematics and Computer Languages.
4 Credits

Math C136 Applied Calculus with Statistics
Calculus for functions of two variables–partial derivatives, maximization, integration. Applications of calculus to inferential statistics: statistical sampling, statistical measurements, essential probability theory, significance of statistical measurement, regression. Examples from the biological and social sciences. For non-math majors only.
Note: Math C126 and Math C136 may not both be taken for credit. No student will receive graduation credits for Math C136 if it is taken after successful completion of Math C141, BSC 18205, or a higher math course.
Prerequisite: Math C135 or equivalent.
Core Area: Mathematics and Computer Languages.
4 Credits

Math 179 Advanced COBOL
Advanced COBOL topics, including direct access concepts and subprograms. Offered only in the summer of 1982. The offering of this course is subject to approval.
Prerequisite: Former BSC 18253 or Math C107 Computer Concepts–Introduction to COBOL.
3 Credits
Lab Fee: $6.00

Music

Music 125 Class Piano
A practical group approach to the piano, in which music fundamentals, reading piano music, learning to harmonize and accompany melodies, transposition, and improvisation develop essential keyboard skills. Recommended for music minors and kindergarten-primary majors. May be taken more than once.
3 Credits

Physical Education

Phys Ed 102 Health Science
Emphasis is placed on scientific information and the development of health practices contributing to effective living.
3 Credits

Phys Ed 321 Physiology of Exercise
An introduction to the physiology of exercise. A review of basic anatomy and physiology with practical applications to physical activity. The student develops a scientific basis for understanding the physiological responses of the human organism and their applications to exercise. Prerequisites: Former BSC Biol 211 and 212.
3 Credits

Phys Ed 421 Kinesiology
An introduction to applied anatomy and kinesiology. An analytical study of human motion through mechanical analysis. Lectures, laboratory work, and demonstrations provide a scientific basis for understanding and applying the kinesiological, anatomical, and mechanical principles of human movement.
3 Credits

Paralegal Studies

Pub Serv 101 Administrative Law
A survey of federal and state administrative agencies and regulations. A review of agency procedures, the Massachusetts Administrative Procedures Act, the regulatory scope of various agencies, and the preparation of forms for filing with selected agencies.
3 Credits

Pub Serv 102 Criminal Law Procedure
A discussion of the rights of persons accused of criminal conduct from arrest and investigation through the appeal process. The primary focus will be on such areas as bail, motions for discovery and suppression of evidence, investigation and fact-finding, pleading, sentencing, and appeals. Special emphasis will be given to the fact-finding process and the preparation and filing of motions and forms at both the District and Superior Court levels.
3 Credits

Pub Serv 103 Consumer Law and Remedies
A consideration of consumer rights and remedies under both federal law (FTC Act) and state law (Chapter 93A). The focus will be on a wide range of consumer transactions. Goods, personal services, rental housing, and regulated industries will be discussed.
3 Credits

Pub Serv 105 Basic Concepts in Paralegal Studies I
An extensive survey of paralegal services as they relate to the courts, government agencies, the general public, and private law firms. A study of methods of drafting and filing motions and documents.
3 Credits

Political Science

PolSci C122 Government and Politics of the United States
The three main branches of the national government, federalism, political parties, interest groups, and governmental functions.
Core Area: Social and Behavioral Sciences.
4 Credits

PolSci C202 Comparative Politics of Transitional Societies
An introductory survey of political systems in non-industrialized nations, drawing on examples from Latin America, Africa, and Asia. The course focuses on the nature of the development process and the evolution of political institutions and practices.
Core Area: Social and Behavioral Sciences.
4 Credits

Psychology

Psych 200 Personality
In this course, conceptions of human nature are examined in the light of various theories of personality. The course focuses on the theories of Freud, Adler, Sullivan, Erikson, Kelly, Ego psychologists, and other theorists presenting behavioristic and humanistic perspectives. Among the topics to be addressed are: personality structure and its development; stress and coping; neurotic styles; human motives and their measurement.
Prerequisite: Psych C100 or 101.
3 Credits

Psych 230 Social Psychology
A scientific attempt to understand and explain how the thought, feeling, and behavior of individuals are influenced by the actual, imagined, or implied presence of others. The course focuses on the drama of social interaction.
Prerequisite: Psych 101.
3 Credits

Psych 241 Infancy and Childhood Development
This course explores human development from infancy to middle childhood, i.e., from childbirth to ages seven or eight. Major emphasis will be placed on early perceptual, cognitive, social and affective development. The following questions will be kept in mind: How does the world of space and objects appear to the infant? How does he or she acquire knowledge and discover reality? How does the child experience the world of people and develop a sense of self? How does the child develop attachments to others and what roles are played by the significant people in his or her life?
Prerequisite: Psych C100 or 101.
3 Credits

Psych 245 Educational Psychology
The application of psychological concepts to education with an emphasis on the analysis of the nature of the learning process, student-teacher interactions, classroom dynamics, and the nature of tests.
3 Credits

Psych 250 Learning and Memory
An introduction to current views of behavioral change, learning, and remembering. The course focuses on concepts, theoretical issues, and applications of current research.
Prerequisite: Psych C100 or 101.
3 Credits

Regional Studies

RegStu 101 Geology I
An introductory study of the earth's composition and the dynamics of change through natural processes.
3 Credits

RegStu 102 Geology II
A consideration of the development of continents and ocean basins, of the development of life, and of some present-day geological problems. (Regional Studies 101 is strongly recommended as an introduction to this course.)
3 Credits

RegStu 225 Weather and Climate
A detailed study of weather and climate will be followed by a systematic consideration of world climatic regions.
3 Credits

RegStu 226 Oceanography I
A correlation of the geological, physical, and chemical aspects of the sea.
3 Credits

RegStu 227 Oceanography II
The biological, geographical, and recreational aspects of the sea will be explored.
3 Credits

RegStu 251 Regional Geography of Latin America
A regional study of Middle America and South America. The emphasis is on the physical environment and the cultural, economic, and political conditions that exist and are in the process of development.
3 Credits

RegStu 352 Political Geography
The influence of the geographic factors—physical and cultural—upon the development of states and their external relations. The geographic basis of power, internal and international tensions, and major writings in the field will be considered.
3 Credits

Sociology

Sociol C160 Social Problems
A course concentrating on institutional formation and change. It will cover the definition and explanation of social problems, individual, group and governmental responses to them, implications of social policy, in-depth case studies, and discussion of contemporary social problems.
Prerequisite: Sociol C101 or 101.
Core Area: Social and Behavioral Sciences.
4 Credits

Sociol 231 Social Stratification
Social classes in traditional and industrial societies; classes, castes, and mobility. Theories of class relationships and conflicts.
Prerequisite: Sociol C101 or 101.
3 Credits

Russian

Russ 264 Soviet Life and Culture
An interdisciplinary introduction in English to Soviet Russian culture from the Revolution to the present day. Focus on literature, music and the arts. Topics include: the avant-garde culture of the 20s; socialist realism and the Stalinist legacy in cultural life; the "Thaws" of the 50s and 60s; the dissident movement; Soviet life and culture today. No knowledge of Russian required. Of special interest to students in international relations and management, political science, and economics.
4 Credits

Russ 303 Composition and Conversation I
Intensive training in conversation and composition. Readings, discussions, dialogues, reports and essays based on texts in various fields.
Prerequisite: Russ C201.
3 Credits

Sociol 261 Social Deviance and Control
The social conditions of individual and group behavior disorders, deviant subcultures and social control.
Prerequisite: Sociol C101 or 101.
3 Credits

Sociol 321 Racial and Ethnic Relations
Conflicts and accommodations among differing racial and ethnic groups. Nature and character of prejudices and discrimination. Minority-majority relations in selected societies.
Prerequisite: Sociol C101 or 101.
3 Credits

Sociol 340 Field Work Methods
Intensive training in observational methods; readings on theoretical issues involved. Concentrated community-oriented field work under close supervision.
Prerequisites: Sociol C101 or 101, junior or senior standing.
3 Credits

Sociol 351 Methods of Sociological Research
Design of sociological research and methods of inquiry. Organization and analysis of data; development of research projects.
Prerequisites: Sociol C101 or 101 and junior standing.
3 Credits

Sociol 382 Social Psychology of Sex Roles–Men and Women in Society
An analysis of male and female roles in society, with consideration of biological and psychological factors. Attention to socialization processes reflecting society's functional definition of acceptable and deviant sex roles.
Prerequisite: Sociol C101 or 101.
3 Credits

Spanish

Span C201 Intermediate Spanish I
An oral review and further study of the language skills with readings in Spanish and Spanish-American literature and culture.
Prerequisite: Span C102 or equivalent.
Core Area: Foreign Languages.
4 Credits

Span C202 Intermediate Spanish II
A continuation of Spanish C201. An oral review with further study of the language skills and readings in Spanish and Spanish-American literature and culture.
Prerequisite: Span C201 or equivalent.
Core Area: Foreign Languages.
4 Credits

Alcoholism Treatment Services

Coun 653 Practicum in Alcoholism Rehabilitation Services
The practicum will be specifically designed to meet the needs of the learner. Many options are available including working as a counselor in a treatment setting, as a management intern at a treatment center, or as an intern in a federal or state agency or independent research organization.
9 Credits

Coun 669 Psychopharmacology
Participants will be considering alcohol as a drug and studying its biological, biochemical, and pharmacological aspects.
3 Credits

Bilingual Education

Biling Ed 603 Introduction to Linguistic Analysis
Participants will develop the technique for comparing two or more languages in order to discover and describe differences in chronological and grammatical structure.
3 Credits

Biling Ed 604 Living in a Culturally Pluralistic Society
This course will, through readings, lectures and experimental exercises, help participants develop a better understanding and appreciation of their own cultural backgrounds. A special attempt will be made to utilize the participants as the prime resource for the course.
3 Credits

Biling Ed 610 Methodology in ESL: Theory
Theories and current research on the teaching of ESL.
3 Credits

Biling Ed 611 Methodology in ESL: Practice
Projects in the different aspects of ESL teaching.
3 Credits

Biling Ed 614 Workshop in Bilingual Education ESL
Students will examine causes and treatment of recurrent problems in the bilingual classroom through individual projects and discussions.
3 Credits

Biling Ed 619 ESL Methodology–Adult Education
Theories and current research on the teaching of ESL to adults. Special topics in second-language acquisition and applied teaching methodology.
3 Credits

Biling Ed 620 Methods and Materials in Bilingual Education
Students will develop projects in bilingual education; topics will include material development, evaluation techniques, parental and community roles in bilingual education. This course meets the Massachusetts certification requirement.
3 Credits

Biling Ed 621 Administration of Bilingual Programs
This course is designed to provide participants with: a) knowledge of various styles of leadership; b) techniques for assessing variables in decision-making; c) ideological perspectives necessary for effectively implementing bilingual education programming at the local level; and d) strategies for effectuating change within school systems.

Biling Ed 630 Psycholinguistics and Sociolinguistics
Students will learn the principles of psycholinguistics and sociolinguistics and their application to second-language acquisition and to bilingualism.
3 Credits

Career Education

Car Ed 601 History and Philosophy of Career Education
This course reviews the development of career education in the United States and abroad. It examines the philosophy inspiring early and current career education programs.
3 Credits

Car Ed 603 Theories of Career Development
The student will gain a broad knowledge of the main theories of career education and sufficient knowledge to develop programs.
3 Credits

Car Ed 604 Societal and Cultural Influences in Career/Occupational Education
This course focuses on the development and analysis of knowledge and understanding regarding varied societal segments within communities. Participants will identify the relationships that exist between segments of society and careers, education, law, family, life styles, sex roles, and culture. Each participant will also design and implement a program in career/occupational education that will integrate learning experiences in education, careers, law, culture, home, family, and life styles.
3 Credits

Car Ed 605 Key Concepts in Career Education
Career education will be considered as, essentially, an instructional strategy, aimed at improving educational outcomes by relating teaching and learning activities to the concept of career development; as extending the academic world to the world of work; as encompassing educational experiences beginning with early childhood and continuing through adulthood.
3 Credits

Car Ed 699 Practicum in Career Education
The practicum provides the degree candidate with an opportunity to demonstrate competence in applying knowledge and skills developed in the other components of the program. The practicum takes place in a school setting; students may complete their practica in schools in which they are working. Students who are not so employed will be assigned to schools. Before starting the practicum each student will meet with the program advisor to design a practicum agreement indicating the work he or she will undertake, the dates on which they will meet to discuss the student's progress, the way in which the student will document his or her experience, and the final evaluative report the student will submit.
6 Credits

Core Education

Core Ed 601 Research and Evaluation
This course will stress the use of appropriate research methods in undertaking and preparing educational research reports. Emphasis is on the nature of research, library techniques and resources, selection and delimitation of problems, documentation, organization and format of reports, appraisal of educational literature, necessary statistical concepts and methods of research. The student will be expected to demonstrate his or her knowledge of these in a term paper.
3 Credits

Counselor Training

Coun 601 Counseling Theory and Practice I
This course will provide grounding in the theory of counseling and practice in using various counseling techniques. Topics include the essentials of interviewing, note taking, and report writing, as well as the role of diagnosis and the use of tapes and role playing. Limited to 25 students.
3 Credits

Coun 603 Theories of Personality
This course will acquaint the advanced student with the major psychological theories explaining the structure and dynamics of the human personality.
Prerequisites: Intro to Psych. and six hours of additional study of psychology.
3 Credits

Coun 604 Abnormal Psychology
Participants in this course will consider various definitions of abnormality, the major classifications of behavioral disorders and the causes, assessment, and treatment of those disorders.
Prerequisite: Nine hours of study in psychology.
3 Credits

Coun 605 Group Psychological Testing
This course surveys standardized instruments used in assessing aptitudes, interests, and personality factors. It covers the elementary statistical concepts necessary to an understanding of these instruments. It provides experience in the analysis and evaluation of psychological tests and introduces the student to test interpretation. (Satifies Mass. Guidance and Sch. Psych. certification requirement.)
3 Credits

Coun 609 Practicum in Counselor Training I
Twelve hours of supervised experience per week is required in each practicum. The hours should include at least one hour of individual consultation with the on-site supervisor and, where applicable, two hours of staff meeting. Each internship practicum group will meet weekly at the Huntington Avenue Campus.
6 Credits

Coun 612 Wechsler Intelligence Scales
This course is an intensive study of the Wechsler Scales, with emphasis on administration, interpretation, and report writing. Each student will be required to administer 20 tests. Limit 20.
Prerequisite: Former Boston State 96505 and 96503 or 96504
3 Credits

Coun 614 Group Counseling and Group Dynamics
This course introduces the participant to group dynamics, using the group processes of the class as a source of experience in group membership and as a source of data for interpretation. Participation as a group member is required. Limit 15.
3 Credits

Coun 615 Counseling Theory and Practice II
An extension of Coun 601. Major theoretical approaches (dynamic, humanistic, behavioral) are considered. Students will also explore some non-traditional approaches. Techniques will be mastered through the use of tape recordings, films, written records of interviews, and role playing. Limited to 25 students.
3 Credits

Coun 656 Child Abuse and Neglect
Participants will study the growing problem of child abuse and neglect in American society. Psychodynamic and socio-cultural factors that contribute to child abuse will be explored. Emphasis will be placed on prevention, intervention, treatment, and the legal aspects as well as the mandatory reporting of cases of abuse and neglect.
3 Credits

Coun 675 Psychology of Learning
Topics covered in this intensive study of the psychological principles of learning include classical and instrumental conditioning, reinforcement, extinction, discrimination, and verbal learning.
3 Credits

Educational Administration

Adm 602 Legal Aspects of Educational Administration
Participants will become familiar with the legal rights, duties, and liabilities of school administrations in the areas of school finance, school property, contracts, and tort liabilities. Students will focus upon the legal status of pupils, classroom teachers, supervisors, and administrators. Case studies will be used to illustrate special legal aspects.
3 Credits

Adm 608 Practicum in Administration I and II
The content of the Practicum in Educational Administration is delineated in a practicum agreement drawn up at a meeting of the student and the program advisor. The agreement must meet the standards established by the program and be approved by the program director and the Director of Graduate Studies.
6 Credits

Adm 620 The Elementary School Principal
Designed for graduate students interested in the elementary school principalship (K–Gr. 6 or K–Gr. 8), this course will emphasize the approach of the behavioral sciences in familiarizing students with the role of the principal in contemporary society. Case studies and simulation will be used to demonstrate the alternatives an educational leader must consider in his or her role as a change agent in relation to curriculum, staffing, supervision and evaluation, community relations, and budgeting.
3 Credits

Adm 641 The Secondary School Principal
This course provides an intensive analysis of the principal's role in the modern school, a role that requires an understanding of discipline, contract negotiations, evaluation, supervision, scheduling, educational finance, and community and public relationships, as well as a profound understanding of his or her own principalship.
3 Credits

Adm 645 Curriculum Design and Administration in Secondary Schools
Participants will investigate the current problems of curriculum design and the methods a school administrator may use to effect meaningful changes in the goals and objectives of a secondary school program.
3 Credits

Adm 651 Drug Education for Administrators and Teachers
A behavioral approach to drug education, with emphasis on theories of drug use, relevant psychopharmacological and physiological research findings, approaches to rehabilitation, and the role of the teacher in drug education.
3 Credits

Adm 665 Seminar in School Administration
Participants will examine current literature for trends in the administration of educational and business programs. Additional emphasis will be placed on current information processing and on the use of computers in determining administrative procedures.
3 Credits

Elementary Education

Elem Ed 601 Curriculum and Strategies in the Elementary School
This course gives students an opportunity to improve their understanding of the basis of curriculum construction and to review and analzye theories of curriculum patterns and teaching plans as these theories relate to the objectives of the elementary school.
3 Credits

Elem Ed 602 Issues and Trends in Elementary Education
This course addresses issues that tend to be controversial and are generally underemphasized in professional courses–such issues as merit rating of teachers, performance contracting, voucher plans and programs, family life education, drug abuse by elementary school children, external degree programs and their implications for professional growth, the hidden hostility toward education among people in industry and other fields, and antagonisms between school administrations and teaching staffs. The course will also consider current events in education brought to public attention by the various news media.
3 Credits

Elem Ed 604 Supervision in Elementary School
Participants will examine the theory and function of supervision in the modern public school system. Factors involved in the organization, functioning, and supervision of school programs and staffs will be examined in light of existing programs and policies.
3 Credits

Elementary Reading

Elem Rdg 602 Measurement and Evaluation of Reading
This course acquaints classroom teachers, reading specialists, and school administrators with the problems involved in evaluating the reading performance of students. The focus is on testing, curriculum organization, and planning objectives for reading programs.
3 Credits

Elem Rdg 603 Reading in the Intermediate Grades
This course focuses on the developmental aspects of reading in the intermediate grades, with particular attention to the skills, abilities, attitudes, and appreciations the intermediate grade child needs to function effectively in the school areas requiring a mastery of reading. Materials, methods, evaluation techniques, and planning will be stressed.
3 Credits

Elem Rdg 609 Elementary Reading Practicum
The practicum provides a clinical experience for experienced teachers. Each student will participate in a tutorial situation with one or two children who have reading difficulties. Participants will be actively involved, under supervision, in the diagnosis, planning, and execution of a program of correction. The practicum will be held off campus.
Prerequisite: Candidates must have a minimum of two years' teaching experience and must have successfully completed all of the requirements of the reading concentration. The written approval of the program director is also required before registration.
6 Credits

Elem Rdg 630 Reading in the Primary Grades
Participants will identify objectives of the reading program at the primary level in terms of attitudes, skills, and understandings. The course will examine and evaluate a variety of currently popular approaches to beginning reading. Specific methods and techniques to aid the teacher in achieving stated objectives will be demonstrated.
3 Credits

Elem Rdg 631 Literature for Children and Adolescents in the Reading Program
Participants will examine the contributions made by literature for children and adolescents to an integrated reading program.
3 Credits

Elem Rdg 633 Adapting Instruction in Reading to the Special Needs Child
This course addresses itself to the teaching of reading with particular emphasis on the instructional needs of the special needs child. The techniques of identification and evaluation, as well as remedial procedures which can be used by the classroom teacher, are also explored.
3 Credits

Instructional Media

Inst Med 601 Introduction to Instructional Media
This course is designed for students who have had little or no experience in the use of audio-visual aids in education. The more common types of audio-visual aids will be demonstrated in lectures. In a laboratory, students will gain first-hand experience with selected A/V equipment.
3 Credits

Inst Med 602 Use of A/V Equipment
This course introduces students to the equipment common in the audio-visual centers of most school systems and explores in depth the proper use and maintenance of such equipment through both classroom and laboratory approaches. The student will acquire the ability to operate this equipment well, and will also acquire knowledge of the applied theories justifying media in education.
3 Credits

Inst Med 619 Design of Instructional Media Facilities
This course will consider ways of designing effective instructional materials centers. It will include lectures about learning environments and functional facilities, as well as field trips to give students experience with various school designs which promote or inhibit the effectiveness of instructional materials centers.
Prerequisites: Former Boston State 87501 or 87502 and 87503.
3 Credits

Inst Med 623 Performance Objectives for the Media Specialist
This course will develop the student's ability to relate performance objectives on all educational taxonomic levels to the meaningful use of media materials.
Prerequisite: Former Boston State 87501 or 87502
3 Credits

Physical Education

Phys Ed 611 Scientific Basis of Physical Activity
This course explores the physiological aspects of physical activity, ranging from the classification of exercises and the biology of cellular activity to cardiovascular efficiency and exercise prescription.
3 Credits

Phys Ed 628 Advanced Physiology of Exercise
Participants will review basic anatomy and physiology and the practical applications of the knowledge of these subjects to physical activity. Lectures, laboratories, and demonstrations will provide a scientific basis for understanding the acute and chronic physiological responses of the human organism to exercise and other physical activity.
3 Credits

Occupational Education

Occ Ed 603 Advanced Methods of Teaching Occupational Education
Participants will research and analyze the most current methods of teaching vocational subjects, and will also plan, organize, and demonstrate lessons. These lessons will be videotaped and critiqued by the participants.
3 Credits

Occ Ed 696 Occupational Information
Participants in this course will review the current labor market and the occupational opportunities in it. Since needs for skills change so rapidly, however, a curriculum based solely on today's market runs the risk of giving a student obsolescent training. Consequently, discussion will focus on how occupational education can be based on future trends as well as on current needs, so that students in occupational programs can adapt to future occupational opportunities. In addition, current occupational programs for bilingual and special needs students will be explored.
3 Credits

Occ Ed 698 Laws Relating to Vocational Education
Participants will review federal and state laws and court decisions governing vocational education.
3 Credits

Occ Ed 699 History and Philosophy of Occupational Education
Participants will survey the development of occupational education in the United States and abroad.
3 Credits

Public Affairs

Pub Aff 601 Public Management: Theories and Principles
This course will require students to identify, analyze, and apply the planning, organizing, directing, and controlling functions of the public sector manager. Particular consideration will be given to establishing effective horizontal and vertical lines of communication, motivating individuals, understanding individual and group behavior, and measuring productivity. Case studies and role playing exercises will be extensively used to help students respond effectively to the typical challenges and problems of public sector management.
3 Credits

Pub Aff 602 Transportation Planning
Students will undertake a study of the regional transportation system and an analysis of transportation policy in relation to land use goals. Local transportation plans and projects will be examined as elements of the regional system.
3 Credits

Pub Aff 618 Technology and Society
This course considers the reciprocal relationship between technological development and society, and the role of technology as a catalyst among its developers. Students will gain the knowledge and analytical skills necessary for assessing society's current perceptions of technological development and attitudes toward it, as well as for anticipating potential perceptual and attitudinal shifts in the socio-economic and political spheres.
3 Credits

Pub Aff 622 Seminar: Government Regulation of the Private Sector
This course provides an in-depth analysis of both the structure and behavior of regulatory agencies. Each student will present his or her research on an assigned aspect of the government-business relationship. Students enrolling in this course are expected to have a thorough understanding of American government.
3 Credits

Pub Aff 628 Organizational Decision-Making
This course will consider, chiefly, the process of decision-making in public sector administrative agencies. It will also consider the processes of decision-making in non-profit organizations. A research paper will be required.
3 Credits

Pub Aff 698A Practicum/Thesis in Political Science
Open only to candidates for the M.S. in Public Affairs who have completed twenty-seven (27) hours of graduate work. Students taking the practicum option will do advanced reading in political science and will undertake either a detailed analysis of the working environment in which they are employed or other research approved by the instructor.
6 Credits

Pub Aff 698B Practicum/Thesis in Urban Studies and Planning
Open only to candidates for the M.S. in Public Affairs who have completed twenty-seven (27) hours of graduate work. Students taking the practicum option will do advanced reading in urban studies and planning and will undertake either a detailed analysis of the working environment in which they are employed or other research approved by the instructor.
6 Credits

Pub Aff 698C Practicum/Thesis in Public Management
Open only to candidates for the M.S. in Public Affairs who have completed twenty-seven (27) hours of graduate work. Students taking the practicum option will do advanced reading in management and will undertake either a detailed analysis of the working environment in which they are employed or other research approved by the instructor.
6 Credits

Secondary Education

Sec Ed 612 Curriculum of the Secondary School: Theory and Practice
This course provides a survey of the essential features, methods and techniques of the secondary school curriculum and the use of specific materials in the major and minor fields of student concentration as they pertain to curriculum. The course also deals with problems and issues in present day curriculum construction and with the relationship of secondary school curricula to American society.
3 Credits

Sec Ed 618 Measurement and Evaluation Testing
This course will consider the theory and practice of measurement and evaluation in the secondary school, through an examination of: standardized and teacher-devised instruments; individual and group measurement of achievement and intelligence; introductory statistics as it pertains to tests and measurements; and marking and grading.
3 Credits

Sec Ed 619 Student Teaching–Secondary School
A laboratory course providing full-time student teaching in public secondary or middle schools, this seminar is concerned with such topics as professional ethics, school records, securing a teaching position, current trends in education, and in-service professional growth.
Prerequisites: Registration by written permission only. Information and applications are available in the Office of the Program in Secondary Education.
6 Credits

Sec Ed 623 Techniques of Teaching in the Secondary School
This course provides students with an overview of all aspects of teaching in the secondary school. Emphasis is placed on the methods and techniques of teaching, with special attention to innovative methods of promoting learning and to the role of the teacher in establishing a favorable setting for learning. Two hours a week in practicum.
3 Credits

Secondary Reading

Sec Rdg 601 Theory of Reading
A comprehensive course in the foundations of reading in the elementary and secondary school. Participants will consider the various facets of child growth and development, including the intellectual, physiological, and psychological, as they relate to the reading process. Participants will examine the many-faceted concepts of reading—as a perceptual act, involving the higher mental process; as a reflection of cultural background; as a visual act; as skill development. Required of all reading majors.
3 Credits

Sec Rdg 604 Administration and Supervision of the Reading Program
Participants will become familiar with current practices and trends in elementary and secondary school reading programs. Topics will include: the problems involved in organizing, coordinating and supervising the total reading program (this topic will be stressed); the duties and responsibilities of the reading teacher, reading specialist, and supervisor; in-service programs; reviews of federal reading projects and evaluation of the reading curriculum, materials used, and teacher effectiveness.
3 Credits

Sec Rdg 605 Workshop in Curriculum and Reading Materials for the Secondary School
This course is designed to meet the needs of both the reading specialist and the content area teacher. The focus is on the design of reading programs (based on a sequence of appropriate reading skills) coordinated with instructional materials. Students will review commercially available materials and develop their own materials according to specific guidelines presented by the instructor.
3 Credits

Sec Rdg 606 Remediation of Reading Difficulties: Secondary School
Participants will examine the natural sequence of diagnosis and evaluation in the secondary school and become familiar with recommended practices and materials for dealing with the needs of the retarded reader in the secondary school. Special emphasis is given to the use of diagnostic information in designing programs for the retarded reader.
Prerequisite: former Boston State 89502, 89503.
6 Credits

Sec Rdg 607 Teaching Reading in the Content Area
Participants will become familiar with developmental reading techniques appropriate for students in grades 7–12. Attention will be given to the integration and the application of reading study skills in the various content areas.
3 Credits

Sec Rdg 609 Practicum in Reading in the Secondary School
Participants will receive supervised practice in the isolation and treatment of reading problems at the secondary school, college, or adult level. Participants will teach individuals or small groups, prepare diagnostic profiles, and master the techniques of writing progress reports, under the guidance of the instructor.
Prerequisite: former Boston State 89509
6 Credits

Special Education

Spec Ed 602 Speech and Language Development
Trainees will explore major theories of language acquisition, define the development of receptive and expressive skills for communication, assess deviations in language acquisition through formal and informal diagnostic instruments, and select appropriate strategies for relieving the difficulties in speech and language development of individuals with special needs.
3 Credits

Spec Ed 603 Research and Evaluation for the Special Educator
Participants will learn the skills involved in interpreting the literature of special education (including statistical analysis), in developing operational definitions, and in determining the limitations of studies. Participants will also learn to evaluate operational special needs programs and to determine whether modifications are needed in these programs.
3 Credits

Spec Ed 605 Informal and Formal Assessment II
Participants will observe, record, analyze, and interpret children's learning needs, using formal and informal assessment tools, for the purpose of writing a valid prescriptive plan. The consideration of disabilities in reading, spelling, writing, and arithmetic will be emphasized.
3 Credits

Spec Ed 606 Individualizing and Implementing the Educational Plan for Special Needs
Participants will learn methods of instruction, and the use of applicable curriculum materials, for individuals with special needs. The course will consider: learning activity packets, individualized curricula, behavioral objectives, task analysis, and the writing of educational plans. Emphasis will be placed on developing skills for presenting instructional materials to other teachers and adapting such materials for their use.
3 Credits

Spec Ed 607 Behavioral and Classroom Management for the Special Educator
Participants will learn how to identify and use basic techniques and procedures for behavioral management within the classroom. Contingency contracting, observational recording skills, and precision teaching skills will be presented. The focus will be on using participants' actual teaching experiences in the consideration of effective behavioral management techniques.
3 Credits

Spec Ed 608 Rehabilitation and Counseling for Special Needs Students (Moderate Program Only)
The rehabilitation process is a planned, orderly sequence of services related to the total needs of the special needs student and intended to bring about that student's vocational adjustment. The course will discuss the specific goals of the rehabilitation process, with emphasis on counseling skills, vocational evaluation, training resources and techniques, and the placement process.
3 Credits

Spec Ed 609 Moderate Program Practicum
The practicum will provide participants with supervised experience with individuals identified as having special needs who are provided services in 502.2, 502.3, and 502.4 program prototypes. The practicum must take place in a school which holds to the philosophy of serving special needs individuals in the least restrictive environment. Participants must preregister for the practicum one semester before it begins. Prerequisites: Spec Ed 601 and Spec Ed 608 (no exceptions).
6 Credits
Supervision Fee: $200

Spec Ed 624 Screening and Identification of Special Needs Individuals
This course addresses the screening and identification competencies mandated by the 1982 standards of the Massachusetts Department of Education for special needs educators. The successful participant will: (1) know the theoretical bases and implications of a variety of testing instruments and assessment techniques; (2) be able to develop and/or select, use and/or administer, and interpret the results of such instruments and techniques effectively and appropriately; (3) demonstrate an understanding of the referral process and its components; and (4) be able to write clear and concise descriptions of students' strengths and weaknesses, learning styles and physical constraints.
3 Credits

Spec Ed 625 Clinical Teaching I–Elementary
Spec Ed 626 Clinical Teaching I–Secondary
The successful participant in this course will be able to: (1) identify, describe, and develop the major components of the IEP; (2) describe the clinical teaching cycle; (3) identify and describe the major causes of weaknesses in perceptual-motor skills; (4) administer formal and informal perceptual-motor assessments to determine a student's current level of performance; (5) identify, describe, and evaluate a variety of teaching approaches, methods, materials, and instructional games useful in teaching perceptual-motor skills to handicapped students; (6) match appropriate modes of teaching perceptual-motor skills to the student's learning style; (7) identify and describe the major causes of difficulties in mathematics; (8) administer formal and informal mathematics assessments in order to determine the student's current level of performance; (9) identify, describe, and evaluate a variety of teaching approaches, methods, and materials as well as instructional games useful in teaching mathematics to handicapped students; and (10) match appropriate methods of teaching mathematics to the student's learning style.
3 Credits

Spec Ed 629 Consultation and Interpersonal Skills
This course will focus on effective models for consultating and interviewing techniques and for interpersonal dynamics. The theory and practice of varied audio-visual activities, role-playing, and small group discussion will be covered. The course will emphasize ways to maintain special needs individuals in the least restrictive environment possible through effective consultation and training.
3 Credits

Spec Ed 631 Alternative Strategies for Vocational Assessment and Programming–Secondary School Special Needs Student
Successful participants in this course will be able to: (1) demonstrate a knowledge of the basic components of the comprehensive career education program for secondary school students with special needs; (2) select and/or develop, use, and interpret formal and informal assessments of the vocational needs of such students; (3) assess the impact of cultural-ethnic and socio-economic factors on the development of vocational goals; (4) list specific pre-vocational competencies for the special needs secondary school student with moderate to severe difficulties; and (5) develop strategies to modify occupational and vocational instruction for the secondary school special needs learner. The course addresses competencies mandated by the 1982 standards of the Massachusetts Department of Education.
3 Credits

Spec Ed 641 Developmental Patterns: Implications for the Special Educator
Trainees will define, interpret, and critically discuss the developmental patterns of children and adults with special needs in the physical, cognitive, psychological, and perceptual spheres. The main emphasis will be on habilitative and rehabilitative programming, within the regular school setting, for individuals with special needs.
3 Credits

Second Class
Postage is
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02109

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